



1927 LAKESIDE PARKWAY SUITE 614 TUCKER, GEORGIA 30084 404-938-7710

June 1, 1988

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Report Alleptod

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Needs mill survey

done to determine it

Mr. Narindar Kumar Site Investigation and Support Branch Waste Management Division 345 Courtland Street, N.E. Atlanta, Georgia 30365 EPA Project Manager:

Private to Malana

Subject:

Preliminary Reassessment

Allied Products/Bush Hog Division Selma, Dallas County, Alabama

ALD980559199 TDD No. F4-8801-50

Dear Mr. Kumar:

FIT IV was tasked to conduct a preliminary reassessment of the Allied Products, Bush Hog Division disposal area in Selma, Dallas County, Alabama. Results of this reassessment are based on review of the available file material, completion of a target survey, and a reconnaissance of the site.

The Allied Products, Bush Hog Division disposal area is located at the intersection of Highway 80 and Bell Road in Selma, Alabama. Approximately 100 drums were discovered on the site in May 1981. Many contained red paint waste. Three drums of waste were also discovered in a pond adjacent to the site. There is reason to believe some waste was buried at the site (Ref. 1). The disposal property was and still is owned by the former owners of Bush Hog, Inc. When the site was discovered, Allied Products, the owners of Bush Hog since the 1960's, was required to clean up the site. The waste has been determined to be "non-hazardous" (Ref. 2). There is no information available from ADEM files or EPA files concerning the sample analytical results which may have led to this determination, or whether any waste is currently onsite.

An EPA Notification of Hazardous Waste Site was submitted by Bush Hog, Inc. in May 1981 in regard to this site (Ref. 3). Paint wastes have been temporarily removed from RCRA regulatory listing as noted in the 40 CFR, January 16, 1981 (Ref. 4).

The Allied Products Corporation disposal area in Selma, Alabama lies within the East Gulf Coastal Plain section of the Coastal Plain Physiographic Province. There are two main artesian aquifers that supply the water for this area. The primary one is present in the Eutaw Formation with an additional one within the Gordo Formation. Potential sources of large quantities of ground water are the Coker Formation and alluvium and low terrace deposits (Ref. 5).

The Eutaw Formation outcrops north of Selma and is 360 to 400 feet thick. It unconformably overlies the Gordo Formation. The basal bed, which contains the principle water bearing zone, generally consists of coarse to very coarse grained glauconitic sand interbedded with pale pink sandy clay. Moving up through the formation there is greenish-gray, medium to coarse grained massive crossbedded glauconitic sand interbedded with gray laminated to thin bedded micaceous sandy clay. The top is greenish-gray medium grained crossbedded glauconitic sand interbedded with olive-gray

Mr. Robert Jourdan Environmental Protection Agency TDD No. F4-8801-50 June 1, 1988 - Page two

to dark gray silty clay. Municipal wells tapping the basal aquifer in the formation at Selma reportedly yield 1500 gpm or 2 mgd or more per well. The depth at which large supplies will be yielded is approximately 750 feet below land surface. The top of the Eutaw Formation aquifer is approximately 350 feet below land surface (Ref. 5).

The Mooreville Chalk unconformably overlies the Eutaw Formation. In the Selma area, the Mooreville ranges in thickness from 10 to 40 feet and consists of light gray calcareous micaceous chalk and sand and pebbles from the overlying alluvium. The Mooreville Chalk acts as a confining layer causing wells in the Eutaw to flow under artesian conditions (Ref. 5).

The Gordo Formation is the uppermost unit of the Tuscaloosa Group and it unconformably overlies the Coker Formation. It ranges in thickness from 260 feet in the north to 360 feet in the south. The lithology of the formation consists mainly of yellowish-orange to white, coarse to very coarse grained fluvial sand, gravel and varicolored sandy clay. The upper 30 to 100 feet is predominantly clay and the remainder of the formation consists of lenticular sand, varicolored clay and massive sand and gravelly sand. The principal water-bearing zone lies at the base of the Formation and is 100 to 150 feet thick (Ref. 5).

A reconnaissance of the site was completed in February 1988. The site is an undeveloped, wooded lot in a commercial area of Selma consisting of fast food establishments, gas stations, motels and other small businesses along the adjacent US Highway 80. Bordering the site to the west, across Bell Road, is B & B ceramics shop and the Woodmen of the World Lodge #3. To the north, the site is bordered by US Highway 80, a four lane road. A Captain D's Seafood Shoppe is adjacent to the site to the northwest. To the south and east there are no homes or businesses adjacent to the site. Access to the site is unrestricted (Ref. 6).

Included in the site reconnaissance was a target survey. The majority of people in the area are served by municipal water systems. The nearest well is a municipal well located approximately one mile northwest of the site as indicated on the attached map. The well is operated by the City of Selma, which in addition to their 14 other wells within a three-mile radius of the site, serves approximately 8,000 connections or 30,400 persons (8,000 x 3.8). The wells range in depth from 412 feet to 719 feet below land surface (Ref. 7). The North Dallas County Fire Protection District operates two wells within a three-mile radius of the site. The system serves approximately 6,080 persons north and east of Selma from the water supplied by the wells (Ref. 8). The population within a four-mile radius of the site not served by the aforementioned systems is served by the West Dallas County System or the Selmont Water Works, which obtain groundwater drawn outside a four-mile radius of the site (Refs. 9, 10). The water supply systems withdrawing groundwater within three miles of the site use supply lines which would result in the mixing of water within each system. The potentially affected population is 36,480 (Refs. 7, 8).

There are two unnamed intermittent creeks on the site which, according to a USGS topo map, would drain into a pond located approximately 700 feet east of Bell Road. The pond is not visible from roadways. A USGS topo map also indicates that the pond would be expected to overflow in the direction of Valley Creek which flows approximately 200 feet east of the pond. Valley Creek flows into the Alabama River approximately four stream miles to the south. The creek is fished recreationally where accessible. The Alabama River is used recreationally for fishing and boating. Neither the creek nor the river are stocked with gamefish in the area (Ref. 11).

Mr. Robert Jourdan Environmental Protection Agency TDD No. F4-8801-50 May 31, 1988 - Page Three

Hazardous substances potentially present onsite include cadmium, a common element present in some red industrial paints (Ref. 12). A waste quantity present on site is assumed to be 100 drums.

The Selma water system has no alternate potable water supplies. The systems which supply the unincorporated areas near Selma are not capable of providing sufficient water to the population in Selma. There are no surface water intakes within four stream-miles of the site. There are no known private wells in the area (Refs. 7,8).

Based on the above-referenced material and the enclosures, this site is recommended for no further remedial action planned. If you have any questions or comments concerning this evaluation, please contact me at NUS.

Very truly yours,

Kerry Longsworth Project Manager

KL/gwn

**Enclosures** 

Approved

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#### References

- 1. Cox, Buddy E., Jr., 1981. State of Alabama Department of Public Health. Internal memorandum to Dan E. Cooper, May 5, 1981. Subject: Disposal site, Selma, off Bell Road.
- 2. Buster, Russell, 1984. Vice President Operations, Bush Hog Division. Telephone conversation with Steven Hornung, EPS, August 14, 1984. Subject: Bell Road Site.
- 3. Morgan, John, 1981. Asst. Purchasing Manager, Allied Products/Bush Hog Division. Notification of Hazardous Waste Site Form CERCLA 103(c), November 16, 1981.
- 4. Federal Register/Vol. 46, No. 11, Friday, January 10, 1981, Part 261. 30, p. 4617.
- 5. Scott, John C., H.G. Golden, J.G. Newton, 1981. Geology and Water Availability of Dallas County, Alabama. U.S. Geological Survey, in cooperation with Geological Survey of Alabama.
- NUS Corporation, 1988. Field Log Book F4-652, Allied Products/Bush Hog Division. TDD No. F4-8801-50.
- McCary, Leonard, 1988. Selma Water Works. Personal communication with Kerry Longsworth, NUS FIT 4, January 15, 1988. Subject: Number of customers and well locations.
- McCarley, Robert, 1988. North Dallas County Fire Protection District. Personal communication with Kerry Longsworth, NUS FIT 4, January 15, 1988. Subject: Number of customers and well locations.
- Bryant, Pauline, 1988. Selmont Water Works. Personal communication with Kerry Longsworth, NUS FIT 4, January 15, 1988. Subject: Number of customers and well locations.
- 10. Nettles, Lynecia, 1988. West Dallas County Water System. Personal communication with Kerry Longsworth, NUS FIT 4, January 20, 1988. Subject: Number of customers and well locations.
- 11. Tyson, Kent, 1988. Alabama Game and Fish Division. Personal communication with Kerry Longsworth, NUS FIT 4, February 12, 1988. Subject: Use of Valley Creek and Alabama River.
- 12. Kirk Othmer, 1982. Encyclopedia of Chemical Technology. Third edition volume 17, p.788.

State of Alabama

#### DEPARTMENT OF PUBLIC HEALTH

State Office Building Montgomery, Alabama 36130



IRA L. MYERS, M.D. STATE HEALTH OFFICER

May 5, 1981

REDACTED

MEMORANDUM

TO: Dan E. Cooper, Deputy Director Division of Solid and Hazardous Waste

FROM:

Buddy E. Cox, Jr., Chief, Hazardous & Industrial Waste Section

Division of Solid and Hazardous Waste BSC

RE:

Disposal Site, Selma, Off Bell Road

Exemption 6 Personal Privacy

As a result of a call from to Mr. Harold Taylor, the writer investigated a site located off Bell Road. (See Mr. Taylor's memo dated April 17, 1981.) There are approximately 100 drums located at the site, many of which contain dried or semi-dried red paint pigments.

It appears that scrap metal from a lathe is also being disposed of at the site. Further investigation revealed cartons addressed to Bush Hog in Selma. There was evidence that material had been buried at the site with cover material being scraped from the adjoining hillside.

At the time of the inspection, the small pond adjacent to the site contained three drums of waste.

BEC:se

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#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT EPS FORM 3012-111

#### INDUSTRIAL NARRATIVE SHEET

#### 1. Site Identification:

Site number: ALD980559199

Site name: ALLIED PRODUCTS BUSH HOG DIVISION

Site county: Dallas

#### 2. Industrial Narrative Summary:

Company Name: ALLIED PRODUCTS-BUSH HOS DIVISION

Address: P.O. Box 1039

Selma, Alabama 36701

Telephone No.: 205-872-6261

Contact: Russell Buster

Discussion: EPA ID# ALD980559199 identifies a superfund notification for a disposal area containing drums of waste paint. The drums are believed to have been disposed of during the early 1960's by BUSH HOG INC. This industry has been sold twice and is now Allied Products Bush Hog Division. The site was discovered in 1981. The disposal property was and still is owned by the former owners of Bush Hog. When the site was discovered Allied Products was required to properly clean the site and dispose of the material. A CERCLA notification was also filed. The waste was analyzed and found to be non-hazardous. The waste was removed from the site and placed in an approved landfill.

#### 3. Disposition:

The site did not contain hazardous waste and has been cleaned. No further action is required.

#### 4. Comments:

N/A

#### ENVIRONMENTAL PROTECTION SYSTEMS, INC. Alabama RCRA 3012 Site Ranking Scheme EPS Form 3012-Y

Site Name <u>ALD9805591</u>99

Preliminary Assessment Ranking Scheme to Determine Which Sites Merit Further Action.

(Select one answer for each of the following seven questions)

1.	Are Hazardous Substances Present?  A. Confirmed on site!  B. Suspected at site!  C. It is unknown!  D. No hazardous substances  E. RCRA facility only!	10 points 5 points 2 points 0 points 0 points
2.	Is There a Pollution Dispersal Pathway?  A. Direct to surface and/or groundwater.  B. Indirect to surface and/or groundwater.  C. Suspected to surface and/or groundwater.  D. Not known for sure.  E. No pathway.	5 points 4 points 3 points 2 points 0 points
3.	Characteristics of Human Population? A. High density. B. Medium density. C. Low density. D. No population.	5 points 4 points 3 points 2 points
4.	Characteristics of Natural Environment?  A. Critical habitat including endangered species, etc.  B. Sensitive habitat.  C. Common less sensitive habitat.	5 points 3 points 2 points
5.	How is Human Population Affected By Site?  A. Public utility of drinking water from site.  B. Direct public access to site.  C. Public access to affected surface water.  D. Only potential for human population contact.  E. Low or no potential for contact.	5 points 4 points 3 points 2 points 1 point
6.	Facility Management Practices at Site?  A. Site actively supervised and managed currently with monitoring reports and other permit and report requirements.  B. Site inadequately managed records not up-to-date.	1 point

#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT EPS FORM 3012-II

#### TELEPHONE LOG SHEET

1.	Site Identification: Site number: ALD 980559199
	Site name: ALLIED PRODUCTS BUSH HOG DIVISION
2.	Interview Data: (Party called)  Name: PUSSELL BUSTER  Position: WICE PRESIDENT DPERATIONS  Firm: ALLIED PRODUCTS BUSH HOG DIVISION  Address: P.O. 1039  SELMA AL 36701  Telephone No.: (205) 872-6261
	Purpose of call: OBTAIN INFORMATION FOR P.A.  Form 2070-12 (7-81) P.N. PART 1 Date of call: TUES AUG 14, 1984
4.	Interview Narrative Summary: THE PROPERTY ON BELL ROAD WAS OWNED
BY	THE FORMER OWNERS OF THE MANUFACTURING PLANT. IT WAS
BA	ISICALLY INVESTMENT PROPERTY. THEY USED TO PISPOSE OF THEIR
w	ASTE ON THIS PROPERTY. THE PLANT WAS SOLD AND THEN RESOLD
	BILLED PRODUCTS IN THE LATE 1960'S. THE DRIED WASTE
26	AINT WAS FOUND TO BE NON-HAZARDOUS THE MATERIAL WAS
-8	EMOUED AND THE OPERATION WAS APPROVED BY ADEMIALOT
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HE NO TO	Disposition/Comments:  Comments: Any additional sites used by this company?  Location:
5.	Disposition/Comments:  Comments: Any additional sites used by this company?  Location: Dates of use:
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5.	Disposition/Comments:  Comments: Any additional sites used by this company?  Location: Dates of use:
5.	Disposition/Comments:    Comments: Any additional sites used by this company?   Location:   Description of waste:   Descriptio

## Notification of Hazardous Waste Site

United States **Environmental Protection** Agency Washington DC 20460

This Laitial notification inform required by Section 103(c) of . hensive Environmental Response, Compensation, and Liability Act of 1980 and must which applies.

Reference No. 3

ALS 000001047

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Ţ	Person Required to Notify:								,		
	Enter the name and address of to or organization required to notify	he person		Bush Hog 2501 Gri		ision of A	llied	Product	s		
			-	200 2000	HIII	Avenue					
_			City	Selma,				State Ala	bama zı	Code	36701
3	Site Location:		Name of S	. All	101	Produ	15/1	Brish k	ton C	har	
	Enter the common name (if know actual location of the site.	vn) and	Street	Bel1			007		3-		
	ALP980559	199	City	Selma	a .	County Dal	las	State A1	a 74	Code	36701
5	Person to Contact:						Joh				
•	Enter the name, title (if applicable	e). and	Name (Las	st, First and Titl	le) >	l <del>ohn M</del> orga	n - As	sistant	Purch	asin	g Manager
	business telephone number of the to contact regarding information submitted on this form.	e person	Phone			(205) 872-	6261	Ext. 2	22		
,	Dates of Waste Handling:					-					
	Enter the years that you estimate treatment, storage, or disposal be ended at the site.	waste egan and	From (Year	, <del>Unknow</del>	1	To (Year) 1	981				
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	e an X in the appropriate boxes to idicate the facility types found at the site.	1. 🗆 Piles	cubic feet	*
	In the "total facility waste amount" space	2.   Land Treatment	gallons Approx. 1	.500 (a) lons
	give the estimated combined quantity	3. □ Landfill 4. □ Tanks		
	(volume) of hazardous wastes at the site using cubic feet or gallons.	5. Impoundment	Total Facility Area	
	In the "total facility area" space, give the	6.   Underground Injection	square feet	<del></del>
	estimated area size which the facilities	7. D. Drums, Above Ground	acres 1/2 Acre	LIA
	occupy using square feet or acres.	8. Drums, Below Ground 9. Other (Specify)		
G	Known, Suspected or Likely Releases			
	Place an X in the appropriate boxes to indica or likely releases of wastes to the environme	te any known, suspected,	☐ Known ☐ Suspected	1 🛱 Likely 🗆 None
	Note: Items Hand I are optional. Completing hazardous waste sites. Although completing	these items will assist EPA and Stat the items is not required, you are er	e and local governments in lo	ocating and assessing
Н	Sketch Map of Site Location: (Options	31)		
	Sketch a map showing streets, highways,			
	the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a	Selma,	Al	
	publishing map showing the site location.			
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ı	Description of Site: (Optional)			
	Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed	Site has some 50 to 70 pa	artially filled barre	ells of
	and where the waste came from. Provide any other information or comments which may help describe the site conditions.	paint sludge.		
		(See Attach	ment)	
		(See Accacin	mente)	
J	Signature and Title: The person or authorized representative	N Wm Dan Hatter		
	(such as plant managers, superintendents, trustees or attorneys) of persons required	Name Mr. Ron Hottes		Owner, Present
	to notify must sign the form and provide a mailing address (if different than address	Street 2501 Griffin Avenue		☐ Owner, Past ☐ Transporter
	in item A). For other persons providing notification, the signature is optional.	city Selma, State	e AL zip Code 36701	Operator, Present Operator, Past
	Check the boxes which best describe the relationship to the site of the person	7 0 1	n —	DO Other NA
	required to notify. If you are not required to notify check "Other".	Signature ( and u. Hot	Date 5/25/81	Vice Presiden

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## Notification of Hazardous Waste Site

**United States** Environmental Protection Agency Washington DC 20460

This Laitial notification inform required by Section 103(c) of . hensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Reference No. 3

810009 ALS 000001047

W <u>1</u> 22						7
1	Person Required to Notify:			Y21 21 10000	State of the Control	-
	Enter the name and address of to or organization required to notify	he person			Division of Allied Products	
			Street	2501 Gr1	ffin Avenue	_
			City	Selma,	State Alabama zip Code 36701	-
3	Site Location:		100M1 ACT-101/1/ 14/00	ΔI	1.10 1. F B. 11 D	
	Enter the common name (if know actual location of the site.	vn) and	Name of S		led Products/Bush Hoz Dir.	
			Street	Bell	Road	
	ALP980559	199	City	Se1m	a, county Dallas State Ala Zip Code 36701	
;	Person to Contact:		5752	200	John	
	Enter the name, title (if applicable business telephone number of the	e), and	Name (La	st, First and Tit	John Morgan - Assistant Purchasing Manage	er
	to contact regarding information submitted on this form.	e person	Phone		(205) 872-6261 Ext. 222	
)	Dates of Waste Handling:					
	Enter the years that you estimate treatment, storage, or disposal be ended at the site.	waste gan and	From (Yea	n <del>Unknow</del>	1 то (Year) 1981	
:	Waste Type: Choose the option	on you pre	fer to c	omplete		
	Option I: Select general waste ty you do not know the general was encouraged to describe the site in	te types or	sources.	VOU ATA	Option 2: This option is available to persons familiar with t Resource Conservation and Recovery Act (RCRA) Section 30 regulations (40 CFR Part 261).	
	General Type of Waste: Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.	Source of Place an 3 boxes.		appropriate	Specific Type of Waste: EPA has assigned a four-digit number to each hazardous w listed in the regulations under Section 3001 of RCRA. Enter appropriate four-digit number in the boxes provided. A copy the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the s	r th
	1.  Organics	1. 🗆 Mir	ing		located.	
	2. Inorganics	2. 🗆 Cor	struction	1		1
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	6. □ Acids 7. □ Bases	6. Lea				1
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-	Hazardous Waste Site	Side Two	
	بـدuantity:	Facility Type	Total Facility Waste Amount
	.e an X in the appropriate boxes to idicate the facility types found at the site.	1. D Piles	cubic feet
	In the "total facility waste amount" space	Land Treatment     Landfill	gallons Approx. 1500 Callons
	give the estimated combined quantity (volume) of hazardous wastes at the site	4.  Tanks	Total Facility Area
	using cubic feet or gallons.	5. ☐ Impoundment	square feet
	In the "total facility area" space, give the	6. Underground Injection	t/Acre 1A
	estimated area size which the facilities occupy using square feet or acres.	7. Ct Drums, Above Ground 8. Drums, Below Ground	acres 1/2
		9. Other (Specify)	
G	Known, Suspected or Likely Releases	to the Environment:	
	Place an X in the appropriate boxes to indica or likely releases of wastes to the environment	ite any known, suspected,	☐ Known ☐ Suspected CX Likely ☐ Non
	Note: Items Hand I are optional. Completing hazardous waste sites. Although completing	g these items will assist EPA and Sta g the items is not required, you are e	te and local governments in locating and assessing
H	Sketch Map of Site Location: (Options	al)	
	Sketch a map showing streets, highways, routes or other prominent landmarks near		
	the site. Place an X on the map to indicate	120	
	the site location. Draw an arrow showing the direction north. You may substitute a	Se/Ma.	, Al.
	publishing map showing the site location.		
		S.	
		6	
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		Highland Are NWY 80	
		Man Are, All Se	
<u> </u>	Description of Site: (Optional)		
	Describe the history and present		
	conditions of the site. Give directions to the site and describe any nearby wells,		
	springs, lakes, or housing. Include such information as how waste was disposed	Site has some 50 to 70 n	partially filled barrells of
	and where the waste came from. Provide	paint sludge.	artially fifted barrells of
	any other information or comments which may help describe the site conditions.		
		/5	
		(See Attach	ment)
J	Signature and Title:		
	The person or authorized representative (such as plant managers, superintendents,	Name Mr. Ron Hottes	Owner, Present
	trustees or attorneys) of persons required	Street 2501 Codest A.	☐ Owner, Past
	to notify must sign the form and provide a mailing address (if different than address	Street 2501 Griffin Avenue	□ Transporter
	in item A). For other persons providing notification, the signature is optional.	cny Selma, su	AL Zip Code 36701 Operator, Presen
	Check the boxes which best describe the relationship to the site of the person	7 ,	1 Other NA
	required to notify. If you are not required to notify check "Other".	Signature ! ( mul u. Hot	Date 5/25/81 Vice Presider
	Olliel .		

number of wastes from both gray and ductile iron foundries, namely lead bearing wastewater treatment sludges from gray iron foundries, and emission control dust from gray and ductile iron foundry cupola furnaces (see discussion in 45 FR 47835. July 16, 1980). These wastes were proposed for listing since they were shown in certain cases to contain or release significant concentrations of the toxic metals lead or cadmium. However, as a result of industry comment, the Agencyundertook further study of these wastes. beginning last summer, to determine their hazardousness. The report of this study is expected to be available for public comment in the near future. After evaluating this data and the public comments received, the Agency will consider the bazards posed by various westes from foundry operations. We are, accordingly, deferring final action on these wastes. (All of these wastes are hazardous, of course, if they exhibit any of the characteristics of hezardous waste, and generators of these wastes are obligated to make this determination.)

(3) Wastes from the Use and Manufacture of Paints (EPA Hazardous Waste Nos. F017, F018, K078, K079, K081, and K082).

Many comments were received from various trade organizations and interested individuals, who objected to the listing of these paint wastes.

In general, most commenters criticized the waste listings as overly broad. resulting in regulation of both bazardous and non-hazardous paint wastes. In re evaluating the data, the Agency agrees that further study of these wastee is needed before a final listing can be promulgated. We anticipate that our reexamination of paint wastes will be completed by the Spring of 1981. The Agency therefore has decided to suspend temporarily the interim final listings of these paint wastes. Paint wastes which exhibit any of the hazardous waste characteristics remain subject to Subtitle C controls.

G. Response to Comments Criticising the Agency's Decision to Defer Temporarily Listings of Waste Streams from the Woven Fabric Dyeing and Finishing Industry

The Agency Indicated in the preamble to the July 16, interim final regulations that it was deferring temporarily listing of wastewater treatment sludges from the woven fabric dyeing and finishing industry (45 FR at 47832—47833).

One commenter objected to this decision, arguing that the Agency had improperly recied on EP protocol test data to evaluate the migratory potential of organic contaminants in these wastes. The commenter further stated that there is no documentation for the Agency's determination that chromium (which had been cited as a waste constituent of concern) is used in the manufacturing process in insignificant amounts. The commenter also felt that data submitted by industry sufficiently supports listing of these wastes as hazardous.

The Agency agrees with the commenter that the EP test may not be an appropriate measure of the potential for migration of all organic contaminants. Therefore, in evaluating the potential mobility of organic contaminants in textile waste, the Agency did not nor will it rely on the EP test to determine the potential mobility of possible organic waste constituents. In evaluating all the data currently in its possession, the Agency believes that it does not have sufficient data to assess the potential basard to human health and the environment that would be presented by these wastes if improperly managed. The Agency, however, is still very concerned with the potential hazards that may be presented by these wastes, and therefore still intends to study further the wastes generated by the textile industry, paying particular attention to the many toxic organic constituents used in the production process such as dyes and pigments derived from benzidine, o-diamsidine, otolidine, and 3.3'-dichlorobenzidine, as well as acrylonitrile, trichlorobensene. bis-(2-ethyl bexylphthalate), flame retardants and other additives.

With respect to the commenter's concern as to the lack of documentation on the use of chromium compounds in the textiles industry, the Agency not

only was provided this information by industry, but possessed corroborating data in its own files. However, the Agency will reevaluate this information when further studying these wastes.

III. Finalization of Appendix VII to Part 281

Appendix VII to Part 201 sets forth the hazardous constituents for which each of the wastes in \$3,251,31 and 261,32 are listed. This appendix has been amended to reflect changes made in the underlying listings, and is being finalized in this revised form.

#### IV. Economic, Environmental and Regulatory Impacts

In accordance with Executive Order 11821, as amended by Executive Order 11949 and Executive Order 12044. EPA has prepared an Economic Impact Analysis of the hazardous weste program promulgated on May 19, 1980. The net effect of today's action reduces the overall cost, economic impact, and reporting and recording impact of EPA's hazardous waste management regulations, since the overall scope of Subtitle C Jursidiction is being reduced. Since this action will decrease the regulatory impact of the Subtitle C regulatory program, we have not prepared a new Economic Impact Analysis or Regulatory Analysis. The Agency has also voluntarily prepared un Environmental Impact Statement on the program under the National Environmental Policy Act. 42 U.S.C. 4321

(Sec. 3001 of the Resource Conservation and Recovery Act)

Dated: January 13, 1981.

#### Douglas M. Cootle.

Administrator.

For the reasons and as set out in the preamble, 40 CFR Part 201 is amended as follows:

1. The authority citation for Part 281 reads as follows:

Authority: Secs. 1008. 2002(a). 3001. and 3002 of the Solid Waste Disposal Act. as amended by the Resource Conservation and Recovery Act of 1976. as amended (42 U.S.C. 6903. 6912. 8921 and 6922).

2. Revise § 261.31 to read as follows:

§ 361.31 Headrdous weste from nenegotific sources.

POLICEY AND SPA ASSESSMENT HOUSE NO.	Hagaritase waste	HAZAFE CODS
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# GEOLOGY AND WATER AVAILABILITY OF DALLAS COUNTY, ALABAMA

GEOLOGICAL SURVEY OF ALABAMA

MAP 180

Prepared in cooperation with the United States Geological Survey

The preparation of this report was financed in part through a grant from the U.S. Water Resources Council under Title III, of P. L. 89-80, "The Water Resources Planning Act of 1965, as amended." The program was administered by the State Planning Division, Office of State Planning and Federal Programs, Office of the Governor, State of Alabama.

#### GEOLOGICAL SURVEY OF ALABAMA

Richard N. Raymond Acting State Geologist

#### WATER RESOURCES DIVISION

James D. Moore Division Chief

## GEOLOGY AND WATER AVAILABILITY OF DALLAS COUNTY, ALABAMA

To accompany Map 180

Investigations for this report were begun in 1962 and were completed in 1969. The geologic map, the surface water map and the ground water map accompanying this report bear a printing date of 1970, although these maps were not released, pending printing of this text.

This text bears a printing date of 1981 and has been released with the previously printed materials.

By John C. Scott, Harold G. Golden, and John G. Newton

Prepared by
United States Geological Survey
in cooperation with
Geological Survey of Alabama

University, Alabama 1981

## GEOLOGY AND WATER AVAILABILITY OF DALLAS COUNTY, ALABAMA

By John C. Scott, Harold G. Golden, and John G. Newton

#### **ABSTRACT**

Geologic units underlying Dallas County include deposits in the Upper Cretaceous, Paleocene, Pleistocene, and Holocene Series. The deposits range in thickness from 750 to 2,600 feet and consist of sand, gravel, clay, chalk, sandstone, and limestone. Strata in the Upper Cretaceous and Paleocene Series strike southeastward and dip southwestward 30 to 50 feet per mile.

The Alabama River, the largest source of surface water, has an average flow of 17,100 mgd (million gallons per day) and a 7-day Q<sub>2</sub> of 5,000 mgd at Selma. Other significant sources include the Cahaba River and Mulberry, Pine Barren, Oakmulgee, Boguechitto, and Cedar Creeks.

The Gordo and Eutaw Formations, the major sources of ground water, will yield 1 to 2 mgd to individual wells in the northeast part of the county and are potential sources of similar supplies in central and southern parts. Potential sources of large quantities of ground water are the Coker Formation and alluvium and low terrace deposits.

Water of suitable quality for most uses is available from streams and aquifers. Water in the Alabama River and Cahaba River is soft and generally contains less than 100 mg/l (milligrams per liter) of dissolved solids. Water in tributary streams draining areas underlain by calcareous deposits is generally moderately hard to hard and contains less than 175 mg/l of dissolved solids. Water in aquifers tapped by wells in all but the southern part of the county is generally soft to moderately hard and contains less than 250 mg/l of dissolved solids. Water in the Eutaw Formation in the southeast part of the county has a chloride content that exceeds 1,000 mg/l, and, in that area, water in the underlying Gordo and Coker Formations is probably sufficiently mineralized to be objectionable.

The estimated average use of water in Dallas County in 1967 was 34 mgd of which 25 mgd was surface water and 9 mgd was ground water.

#### INTRODUCTION

Water is essential for the existence of man and is a prerequisite for the development of any area. Although Dallas County has abundant supplies of surface water and ground water, the supplies are not inexhaustible. Some water-resources information for the county was available prior to the start of this study but a detailed geologic map and additional data concerning the occurrence, movement, and availability of water were needed to aid water users and managers in evaluating and developing future supplies.

#### PURPOSE AND SCOPE

This report presents the results of a study that was begun in 1962 by the U.S. Geological Survey in cooperation with the Geological Survey of Alabama. Work was suspended during 1964-67 and was not completed until 1969. The purposes of this report are: (1) provide a geologic map of sufficient detail to aid in evaluating the ground-water resources and other minerals in the county, and (2) present information on the availability and quality of water to aid water users in evaluating sources of supply. The study is a part of a statewide program of water-appraisal studies.

The study included the compilation of a geologic map, an inventory of sufficient wells to define major sources of ground water, making streamflow measurements at selected sites to aid in evaluating flows in streams, and the collection and analyses of water from streams and wells to determine the chemical quality of available supplies.

The Chunnennuggee Hills are in the outcrop area of the Ripley and Clayton Formations in the southern part of the county. The area is topographically similar to that in the Central Pine Belt and generally ranges in altitude from 200 to 400 feet. The topography in the southeastern part of the county is modified by mesa-like terrace remnants that cap hilltops.

Alluvium of the Albama River and other streams cover much of Dallas County and form broad flood plains and terraces. The areas are shown on figure 1 as terraces and flood plains. The flat terraces contrast markedly with the rolling terrain of the Black Prairie and the hilly terrain of the Chunnennuggee Hills. The terraces generally range in altitude from 100 to 450 feet. Broad flood plains are developed in the valleys of the Alabama and Cahaba Rivers and Boquechitto Creek, and flood plains of lesser extent are developed along other streams in the county. The flood plains generally range in altitude from 90 to 150 feet in the river valleys, and from 100 to 200 feet in the smaller stream valleys.

#### DRAINAGE

Dallas County is in the Alabama River basin. The Alabama River flows southwestward through the county and divides it into two parts. The northwestern part of the county is drained primarily by the Cahaba River and Mulberry, Valley, Oakmulgee, Boguechitto, and Chilatchee Creeks; the southeastern part is drained primarily by Old Town, Mush, Cedar, and Pine Barren Creeks.

#### CLIMATE

Dallas County is humid and mild and has an average annual precipitation of about 52 inches. Average monthly rainfall generally ranges from 2 inches in October to 6 inches in March. Extreme temperatures of record are -21° C (Celsius) or -6° F (Fahrenheit) and 42° C or 107° F. Average monthly temperatures generally range from 11° C (51° F) in December and January to 27° C (81° F) in

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#### **GEOLOGY**

## GENERAL STRATIGRAPHY AND STRUCTURE

Geologic units that crop out in Dallas County are of sedimentary origin and include deposits in the Upper Cretaceous, Paleocene, Pleistocene, and Holocene Series. The units consist mainly of sand, gravel, clay, chalk, sandstone, and limestone. The distribution of the various geologic units is shown on plate 1. In the subsurface, the Upper Cretaceous Series is underlain by pre-Cretaceous metamorphic rocks in the northern part of the county and by the Lower Cretaceous Series in the southern part. The Upper Cretaceous Series and younger deposits generally range in thickness from 750 feet in the northern part of the county to 2,600 feet in the southern part. The sequence and attitude of geologic units in the subsurface of Dallas County are shown in figure 2.

The Upper Cretaceous Series includes, from oldest to youngest, the Coker and Gordo Formations in the Tuscaloosa Group; the Eutaw Formation; and the Mooreville and Demopolis Chalks, the Ripley Formation, and the Prairie Bluff Chalk in the Selma Group. The Coker Formation is not exposed at the surface in Dallas County, but it underlies the Gordo Formation in the subsurface throughout the county. The Cretaceous formations strike east-southeastward and dip south-southwestward 30 to 50 feet per mile.

The Clayton Formation in the Paleocene Series overlies the Selma Group and crops out in upland areas in southernmost Dallas County. The formation strikes southeastward and dips southwestward from 25 to 30 feet pemile.

The Pleistocene and Holocene Serie consist of alluvial deposits in basins of the Alabama and Cahaba Rivers and other larg-streams in the county. The deposits in Dalla County are mapped as high terrace deposits intermediate terrace deposits, and low terrac deposits and alluvium (fig. 2).

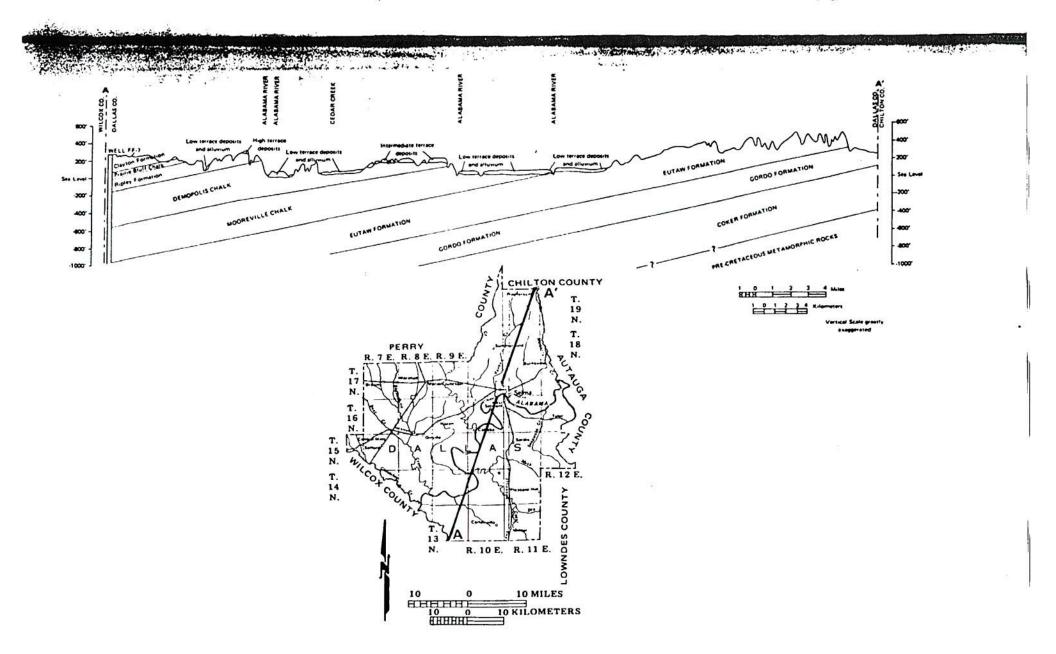


Figure 2.-Stratigraphic section from a point 1.3 miles south of Tilden to Plantersville.

#### UPPER CRETACEOUS SERIES

#### COKER FORMATION

The Coker Formation, the lowermost unit of the Tuscaloosa Group and Upper Cretaceous Series, crops out to the north and underlies all of Dallas County. The Coker is underlain by pre-Cretaceous metamorphic rocks in the northern part of the county and by the Lower Cretaceous Series in the southern part. The formation is 500 to 750 feet thick and consists of yellowish-orange to white sand and gravel interbedded with varicolored and white to light-gray sandy clay in the lower part and gray medium-grained glauconitic sand interbedded with gray and reddish-brown carbonaceous micaeous sandy and silty clay in the upper part.

#### **GORDO FORMATION**

The Gordo Formation, the uppermost unit in the Tuscaloosa Group, crops out in the valleys of Mulberry and Oakmulgee Creeks in the northernmost part of Dallas County. It unconformably overlies the Coker Formation in the subsurface and is unconformably overlain by the Eutaw Formation. The Gordo generally ranges in thickness from 260 feet in the northern part of the county to 360 feet in the southern part and consists mainly of yellowish-orange to white coarse to very coarse grained fluvial sand, gravel, and varicolored sandy clay. The upper 30 to 100 feet of the Gordo consists predominantly of clay and the remainder of the formation consists of lenticular sand, varicolored clay, and massive sand and gravelly sand. Only the upper 30 to 50 feet of the formation is exposed in Dallas County. A typical exposure of the contact between the upper clay and the overlying Eutaw Formation is in a road cut about 1 mile west of Plantersville in SW1/NW1/4 sec. 2, T. 19 N., R. 11 E. (fig. 3).

#### **EUTAW FORMATION**

The Eutaw Formation unconformably overlies the Gordo Formation and crops out in upland areas north of Selma in the north eastern part of Dallas County. It generally ranges in thickness from 360 to 400 feet Monroe, Conant, and Eargle (1946, p. 204) subdivided the Eutaw and assigned the lower part to the McShan Formation. However, as used in this report, all strata between the underlying Gordo Formation and the over lying Mooreville Chalk are included in the Eutaw Formation because similar lithologie-make further separation difficult.

The basal bed of the Eutaw Formation in outcrops generally consists of coarse to very coarse grained glauconitic sand interbedded with pale pink sandy clay. The contact at the base of the Eutaw is generall marked by sand unconformably overlyin mottled reddish-brown sandy clay at the to: of the Gordo Formation. Lower and middle parts of the Eutaw overlying the basal san consists of greenish-gray medium- to coarsi grained massive crossbedded glauconitic san interbedded with gray laminated to thin bedded micaceous sandy clay (fig. 4). , typical exposure of lower and middle Eutai sediments is in a road cut near Grove Hi Church 1.5 miles west of Valley Creek June tion (fig. 4).



Figure 3.--Varicolored (?) mottled clay of the Gor Formation overlain by crossbedded sand the Eutaw Formation 1.5 miles south Valley Creek Lake in NE½ sec. 5, T. 18 f R. 11 E.

#### PLEISTOCENE AND HOLOCENE SERIES

Terrace deposits and alluvium of Pleistocene and Holocene age cover about two-thirds of Dallas County. The deposits, based on their altitude, have been mapped as high terrace deposits, intermediate terrace deposits, and low terrace deposits and alluvium (plate 1). Low terrace deposits and alluvium are not separated because of their similar altitudes and lithologies.

#### HIGH TERRACE DEPOSITS

The high terrace deposits form mesa-like plateaus in upland areas in northeast and southeast Dallas County. The base of the deposits generally range from 300 to 400 feet in altitude which is equivalent to 200 to 300 feet above the flood plain of the Alabama River. The deposits are as much as 50 feet thick and consist mainly of yellowish-orange clay, silt, sand, and gravel. The gravel is as much as 2 inches in diameter.

#### INTERMEDIATE TERRACE DEPOSITS

The intermediate terrace depoists form relatively flat plains that are most extensive near the Alabama River in central parts of the county. The base of the unit generally ranges from 150 to 200 feet in altitude which is equivalent to 50 to 100 feet above the present flood plain of the river. Yellowish-orange to reddish-brown sand and gravel are the major constituents in the unit but silt and clay are present in appreciable amounts, especially near the top. The unit is as much as 50 feet thick but generally is about 30 feet thick. It merges almost imperceptibly with low terrace deposits and alluvium northwest of Orrville.

#### LOW TERRACE DEPOSITS AND ALLUVIUM

Low terrace deposits and alluvium underlie flood plains and adjacent lowlands of the Alabama and Cahaba Rivers and their larger tributaries. The unit is as much as 55

feet thick and consists chiefly of yellowishorange coarse-grained sand and gravel with some silt and clay along the Alabama and Cahaba Rivers. Alluvium along creeks, with the exception of that along Oakmulgee and Mulberry Creeks in the northern part of the county, consists mainly of pale-yellowishorange to grayish-white fine-grained sand, silt, and clay. Alluvium along Oakmulgee and Mulberry Creeks also contains a considerable amount of gravel.

#### **AVAILABILITY OF WATER**

The availability of water is controlled primarily by precipitation, vegetation, topography, and physical characteristics of geologic formations over and through which the water moves. As these factors vary from place to place in Dallas County, the availability of water also varies from place to place.

The source of all water in Dallas County is precipitation which occurs mainly as rain. Annual rainfall averages about 52 inches and is fairly evenly distributed throughout the year. A part of this rainfall runs off directly into streams; a part replenishes soil moisture but is returned to the atmosphere by evapotranspiration; and a part percolates downward below the soil zone to replenish underground reservoirs.

#### SURFACE WATER

All streams in Dallas County drain to the Alabama River, which flows through central and southern parts of the county. Significant tributaries that drain most of the county are the Cahaba River and Cedar, Pine Barren, Boguechitto, Mulberry, Valley, Chilatchee, and Oakmulgee Creeks. Of these, all but Valley Creek originate outside the county. A network of smaller tributaries including Big Swamp, White Oak, Soapstone, and Beech Creeks originate in and drain most of the remainder of the county.

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Alabama River and its tributaries in the county have been delineated on topographic maps by the U.S. Geological Survey (1968).

#### GROUND WATER

Large quantities of ground water are wailable from permeable beds of sand and gravel throughout Dallas County. These beds are called aquifers because of their water-bearing properties. The thickness, lithology, and yield of geologic units underlying the county and the chemical quality of water obtained from them are summarized in table 1. The locations of wells tapping the units are shown in plate 3 and data for the wells are tabulated in table 2. Sample and drillers' logs describing the lithology of geologic units penetrated by wells are tabulated in tables 3 and 4. Also shown on plate 3 are a geohydrologic cross section and contours showing estimated depths below mean sea level of the base of principal aquifers in the county. These depths, when added to the altitudes of drill sites, provide estimated depths necessary to penetrate aquifers that will yield large supolies of water.

Aquifers in the Coker, Gordo, Eutaw, and Ripley Formations and in terrace deposits and alluvium yield adequate supplies of water for domestic and stock use. Artesian aquifers the Coker, Gordo, and Eutaw Formations the principal sources of large supplies. Artesian aquifers are those overlain by relatively impermeable beds such as clay or chalk that confines water in the aquifers under pressure. Water in a well tapping an artesian aquiwill rise above the top of the aquifer and lowland areas will often flow at land sur-The imaginary surface to which the water will rise under artesian pressure is called the potentiometric surface. The area of artegian flow, based on existing wells in Dallas County in 1963, is shown on plate 3.

#### MUNICIPAL AND INDUSTRIAL SUPPLIES

Large supplies of ground water sufficient for municipal and many industrial uses are available from aquifers throughout Dallas County. The principal sources are the Coker, Gordo, and Eutaw Formations. The most productive aquifers are in the lower 100 feet of each of the formations. The Gordo and Eutaw Formations each yield as much as 1,500 gpm (gallons per minute) to individual wells at Selma.

#### COKER FORMATION

The Coker Formation contains permeable sand in the upper part and permeable sand and gravel in the lower part. These aquifers are separated by massive beds of relatively impermeable clay. The sand and gravel at the base of the formation is the most permeable aquifer in the formation. The cumulative thickness of aquifers in the Coker generally ranges from 50 feet in the north part of the county to 100 feet in the south part. The principal aquifer at the base of the formation generally accounts for 50 percent or more of the cumulative thickness of all aquifers in the formation. The Coker Formation is the source of water supply for Plantersville and for numerous domestic and stock wells in the northern part of the county. Reported data for municipal well C-3 at Plantersville indicate a specific capacity of about 5 gpm per foot of drawdown. These data, electric logs for test wells in central and southern parts of the county, and data for wells tapping the formation in adjacent Perry County (Reed and others, written commun., 1970) indicate that the Coker is a potential source of 1 mgd or more per well in Dallas County. The depth below mean sea level of the base of the principal (basal) aguifer generally ranges from 400 feet near Plantersville to 2,400 feet near the southern boundary of the county (plate 3).

#### **GORDO FORMATION**

The Gordo Formation consists of massive clay at the top and massive sand and gravelly sand at the bottom. The aquifer, which is 100 to 150 feet thick, yields large supplies of water to wells at Selma and at Craig Air Force Base, and is a source of supply for several industries in the east-central part of the county. It is also a source of water for domestic and stock supplies in the northern part of the county. Municipal well K-8 taps the aquifer at Selma and reportedly had a drawdown of 85 feet after 8 hours pumping 1,520 gpm in 1963. These data indicate a specific capacity of about 18 gpm per foot of drawdown. Evaluations of drill cuttings and electric logs obtained from other wells penetrating the Gordo indicate that sand beds comparable to those tapped at Selma are present in other areas. The aquifer will yield 1 to 2 mgd or more per well at Selma and is a potential source of similar supplies in central and southern parts of the county. The base of the aquifer generally ranges from about 50 feet above mean sea level in the northeast corner of the county to 1,650 feet below mean sea level near the southern boundary (plate 3).

#### **EUTAW FORMATION**

The Eutaw Formation crops out in the northern one-third of the county and consists of interbedded clay, sandy clay, and sand. The cumulative thickness of permeable sands in the Eutaw generally ranges from 75 to 150 feet of which 50 or more feet are present at the base of the formation. The basal sand is the principal aquifer in the formation. The Eutaw is the principal source of water supply for Selma and Craig Air Force Base, and it is a source of supply for Orrville and for most industrial, domestic, and stock supplies in central and southern parts of the county. Municpal wells tapping the basal aquifer in the formation at Selma reportedly yield 1,500

gpm or 2 mgd or more per well. Available data for the municipal wells at Selma indicate specific capacities that range from 7 to 14 gpm per foot of drawdown. Yields of 1 to 2 mgd per well are probably available from the formation throughout central and southern parts of the county. The depth below mean sea level of the base of the formation where it will yield large supplies generally ranges from 100 feet about 3 miles north of Selma to 1,300 feet in the southern part of the county (plate 3).

#### **FLOWING WELLS**

Numerous flowing wells are located in lowland areas in Dallas County along the Alabama and Cahaba Rivers and Oakmulgee, Mulberry, Boguechitto, Cedar and Chilatchee Creeks. The area of artesian flow in the county in 1963 is shown on plate 3. Most flowing wells in the county tap aquifers in the Eutaw Formation but several tap aquifers in the Gordo and Coker Formations. Rates of discharge from flowing wells generally range from 1 to 200 gpm. The "Great Well" (well W-1 in table 2) at Cahaba was reported to flow at a rate of 1,200 gpm when drilled about 1820 (Smith, 1907, p. 192), but was flowing at an estimated rate of about 200 gpm in 1963. Wells tapping the Eutaw in the Alabama River basin south of Selma commonly flow 50 to 75 gpm.

#### WATER-LEVEL FLUCTUATIONS

Water levels in all aquifers in the county fluctuate to some degree from season to season. The degree of fluctuation in a given area depends on the amount of pumpage and recharge. Water levels in the artesian aquifers are generally highest in April and are lowest in November or December.

Comparison of water levels observed in wells in 1963 to those observed about 1900 (Smith, 1907) indicates that water levels in aquifers in the Gordo and Eutaw Formations

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ed in 1900 els in in the Selma area declined about 22 and 32 feet, respectively, during the 63-year period. Cones of depression in the potentiometric surfaces of aquifers in the formations have developed in the vicinity of Selma. The cones of depression are the result of extensive withdrawals of water from the aquifers. A generalized map showing the potentiometric surface of water in the Eutaw Formation and the cone of depression at Selma is shown in figure 9. Declines in potentiometric surfaces outside the Selma area are caused primarily by numerous flowing wells that tap the aquifers. Available data indicate that water in the aquifers moves toward the Alabama River valley.

#### CHEMICAL QUALITY OF WATER

Water of suitable quality for most uses is available in streams and aquifers in Dallas County. Domestic water users are usually concerned with the hardness of water and with the iron, chloride, and dissolved-solids content of the water. Most municipal supplies are selected to insure good quality or are treated to reduce or remove objectionable minerals and properties of the water. Quality requirements for industrial water depend on the type of use made of the water. Some industries have quality requirements that are far more exacting than requirements for municipal supplies; other industries use water only for cooling and can use highly mineralized water.

Iron in excess of 0.3 mg/l (milligrams per liter) may cause staining of porcelain or enamel fixtures, clothing, or cooking utensils. Hard water is objectionable for some uses because it increases soap consumption and may deposit scale in pipes and boilers; soft water under certain conditions may induce corrosion. General terms used in this report to describe hardness of water are as follows: soft, 0-60 mg/l; moderately hard, 61-120 mg/l; hard, 121-180 mg/l; and very hard, 181 mg/l or more. Water with a chloride content less than 250 mg/l generally is desirable for domestic and municipal use; water containing

greater amounts may impart a salty taste and may induce corrosion.

#### SURFACE WATER

Surface water may undergo significant changes in chemical quality as it moves from one environment to another. In general, surface water tends to carry increasing loads of dissolved material as it moves downstream, although the mineral concentration may be reduced by increased runoff or by inflow of less mineralized water. Dissolved minerals in surface water result in part from natural causes—the solvent action of water on soil and rock, and, in part, from cultural causes—the activities of man that add minerals to the water.

Water in the Alabama River is soft and generally contains less than 100 mg/l of dissolved solids. Water in the Cahaba River in Dallas County is probably similar in quality to that in the river upstream at Sprott in Perry County where it is soft to moderately hard and generally contains less than 100 mg/l of dissolved solids (Reed and others, written commun., 1970). Water in Mulberry, Valley, and Oakmulgee Creeks and their tributaries in the northeast part of the county is soft and contains less than 50 mg/l of dissolved solids. Streams in central and southern parts of the county drain areas underlain by massive calcareous sediments. These streams including Boguechitto, Chilatchee, Cedar, and Pine Barren Creeks and their tributaries contain water that is more mineralized than streams to the north. Water in these streams is generally moderately hard to hard and contains less than 175 mg/l of dissolved solids. Chemical analyses of water from selected streams in Dallas County are tabulated in table 5.

Temperature of water in the Alabama River at Selma has been recorded continuously since 1962. The maximum temperature observed during the period 1963-66 was 30° C or 86° F and the minimum was 6° C or 43° F. Available data indicate that daily fluctuation of water temperature in the river is small.

#### **GROUND WATER**

Ground water suitable in chemical quality for many uses is available in most parts of Dallas County. Chemical analyses of water from wells in the county are given in table 6.

Water from wells tapping the Coker Formation in the northeastern part of the county is generally moderately hard, contains less than 250 mg/l of dissolved solids, and contains only minor amounts of iron and chloride. Water in the formation in central parts of the county is probably similar in quality but slightly more mineralized and, in the southern part of the county, may be sufficiently mineralized to be objectionable for some uses.

Wells tapping the Gordo Formation in northern and central parts of the county yield water that is soft to moderately hard and has a dissolved-solids content of less than 200 mg/l. The water commonly contains iron in excess of 0.3 mg/l. The distribution of iron in water in the Gordo Formation is shown on figure 10. Available data indicate that water in the formation in southern parts of the county may be sufficiently mineralized to be objectionable for some uses.

Water in the Eutaw Formation contains less than 250 mg/l of dissolved solids in all but the southern part of the county. The water is soft to hard but generally is soft to moderately hard in all but small areas in north-and east-central parts of the county. The distribution of hardness of water from the Eutaw is shown in figure 11. Iron in excess of 0.3 mg/l is present in the water in the northeastern part of the county and in a small area in the southwestern part (fig. 12). The chloride content is less than 250 mg/l in all but the southern part of the county (fig. 13) where it exceeds 1,000 mg/l in the southeasternmost part. Water from the formation is reportedly treated for removal of manganese at Selma.

Water from the Ripley Formation generally is hard to very hard and contains less than 350 mg/l of dissolved solids.

Wells tapping high terrace deposits yield water that is soft and contains less than 250 mg/l of dissolved solids. The water contains iron in excess of 0.3 mg/l in some areas.

Ground water from wells in Dallas County generally ranges in temperature from 17° C to 28° C (63° to 82° F). The lowest temperatures are from aquifers less than 100 feet below land surface. The temperature increases about one degree Celsius for each 100 feet of depth below land surface. The temperature of water from wells tapping the Eutaw Formation at various depths is shown graphically in figure 14. The temperature of ground water in other geologic units underlying the county at comparable depths is similar to that occurring in the Eutaw Formation.

#### WATER UTILIZATION

All municipal and domestic water supplies and a part of the supply used for industry and irrigation are obtained from groundwater reservoirs. The largest use, about 20 mgd, is taken from the Alabama River for the paper industry. The estimated daily use of water from all sources in Dallas County is 34 mgd. This is far less than 1 percent of the average flow of the Alabama River alone. In addition to the amount of water used, the amount of unused water discharging from flowing wells is estimated to be 6 mgd. This quantity exceeds that used daily by municipalities in the county. The estimated average daily use of water in Dallas County in 1967 is as follows:

		gallons . day
Use	Ground water	Surface water
Industrial	1.0	22.0
	5.0	
Irrigation	72.00-20	3.0
Domestic and s	2.5	••
Total	9.0	25



## LEVEL

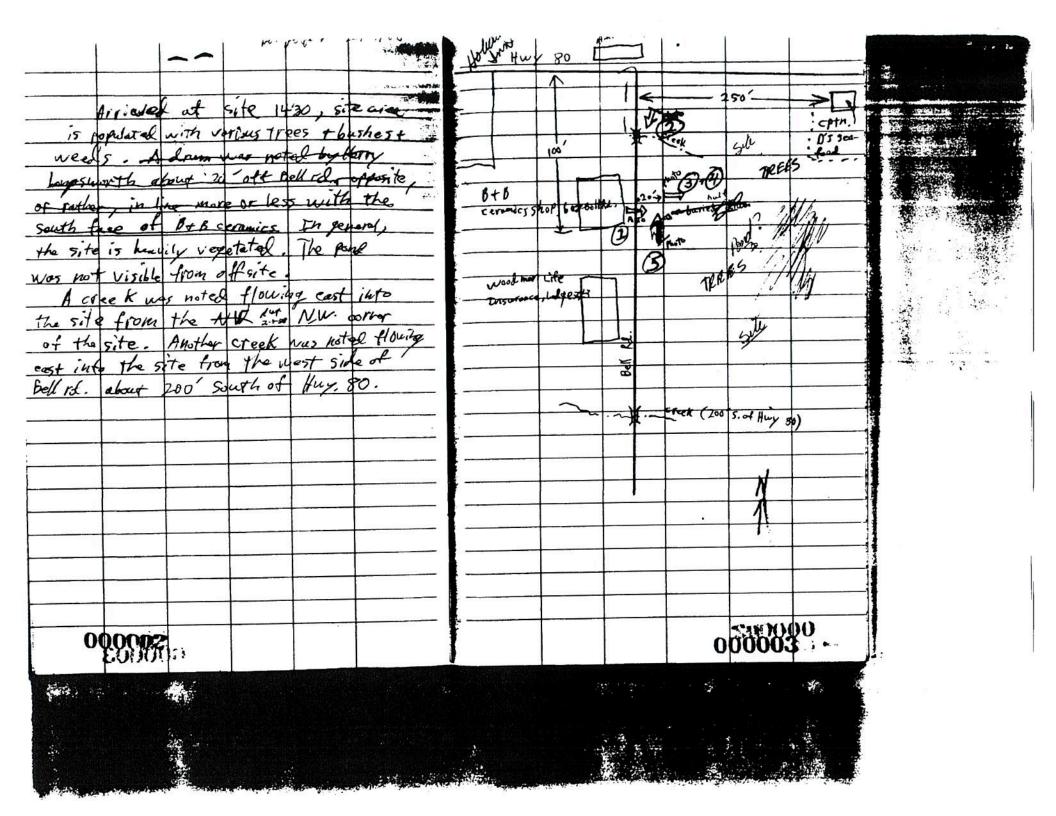
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TACOMA, WASHINGTON 98421 U.S.A.



## NUS CORPORATION AND SUBSIDIARIES

CONTROL NO:	DATE:						
	7.00	ry 15, 1988	TIME: 1000				
2.22	Janua	., 13, 1300	1000				
DISTRIBUTION:							
舜							
BETWEEN:		OF:	PHONE:				
Leonard McCary		Selma Water Works	205 )874-8857				
AND:	<del></del> -						
Kerry Longsworth	4						
DISCUSSION:							
Re: number of cus	tomers a	and well information.					
		ma werr information.					
Mr. McCary said the Sel	ma syste	m had approximately	3,000 connections				
to water customers. He	told me	all supply lines are	interconnected.				
Mr. McCary said the sys	tem is c	apable of providing t	ne North Dallas				
County Fire Districts 1	600 cust	omers with water if ne	ecessary. He said				
the city of Selma has n	o surfac	e water intakes. He s	said Selmont has no				
alternate supply of wat	er eithe	r. He said the wells	range in depth				
from 412 to 719 feet and	from 412 to 719 feet and he knows of no private wells in the area.						
ACTION ITEMS:							

#### NUS CORPORATION AND SUBSIDIARIES

CONTROL NO:	DATE:	TIME:					
	January 15, 1988	1020					
DISTRIBUTION:							
	<del></del>	PHONE:					
BETWEEN:	North Dallas County						
Robert McCarley	Fire Protection Dist	trict (205)872-4966					
Kerry Longsworth	KF						
DISCUSSION:							
Re: Water Supply							
Mr. McCarley said the	water district served approxi	mately 1600 connections.					
He said the supply lin	nes are interconnected and the	district serves that					
population north and e	east of Selma. He said the sy	stem could obtain					
enough water from the	Selma system if necessary. H	e said he thinks					
almost everyone in the	e service area is on municipal	water.					
ACTION ITEMS:							

NUS CORPORATION AND SUBSIDIA	ARIFS
------------------------------	-------

CONTROL NO:	DATE:		1	
Collection Taxo	li see	15 1000	TIME	
DISTRIBUTION:	00	anuary 15, 1988		1030
BETWEEN:		OF:		PHONE:
Pauline Bryant		Selmont Water Works		(205 ) 872-2820
AND: Kerry Longsworth	4			
Regarding number of	of custo	mers and service area.		
Ms. Bryant said the sys	stem has	approximately 2,000 c	onne	ctions and
serves from Alabama Riv				
She said all lines are	interco	nnected. She said the	two	wells which
are currently operating	; are 740	) feet deep and 820 fe	et d	eep respectively.
The other well owned by				
used as a standby. She	said th	is well was about 800	fee	t deep. She
said there is no altern	ate sour	ce of water available	, and	d knows of no
private wells in the ar				
ACTION ITEMS:				
		-		

#### NUS CORPORATION AND SUBSIDIARIES

CONTROL NO:	DATE:		TIME:		
Janua		/ 15, 1988	1400		
STRIBUTION:					
BETWEEN:	0	F: West Dallas Coun	ty PHONE:		
Lynecia Nettles			strict(205)872-6127		
AND: Kerry Longsworth	4				
DISCUSSION:	of connect	tions and sonvice a	wo.5		
Regarding number	or connect	tions and service a	rea.		
Ms. Nettles said the M	WDCFPD serv	ves 301 connections	and draws water from		
wells in Marion Juncti	ion and Orm	rville. She said t	the system serves those		
consumers west of the	Selma city	y limits and would	not be capable of		
supplying Selma with p	potable wat	ter.			
	8 5				
ACTION ITEMS:					
These towns are 9 and 12 miles from Selma, respectively.					

٨	US	CORP	ORATION	AND	SURSIDI	ADIES
•		00111		AND	SUBSIDI	ARIES

CONTROL NO:	DATE:		TIME:			
	5-1					
DISTRIBUTION:	ret	oruary 12, 1988	1330			
BETWEEN:		OF:				
		Alabama Game and Fi	PHONE:			
Kent Tyson		Division	(205 ) 872-6860			
AND:	10					
Kerry Longsworth	4					
DISCUSSION:	7					
Regarding Fishing i	n Valley	Creek, Selma.				
M. T						
Mr. Tyson said the cree	ek is fi	shed where accessible	from banks, but its			
not navigable by boat.	He sai	d the creek contains	game fish. He said			
the Alabama River is f	ished an	d used for water spor	ts. He said neither			
Valley Creek nor the A						
district.	district.					
ACTION ITEMS:						
			*			

### KIRK-OTHMER

#### **ITORIAL BOARD**

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MARTIN GRAYSON

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DAVID ECKROTH

# ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY

THIRD EDITION

VOLUME 17

PEROXIDES AND PEROXY COMPOUNDS, INORGANIC TO PIPING SYSTEMS



A WILEY-INTERSCIENCE PUBLICATION

John Wiley & Sons

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788 PIGMENTS (INORGANIC)

**PIGMENTS** 

INORGANIC

Inorganic, 788 Organic, 838 Dispersed, 871

Inorganic pigments are an integral part of numerous decorative, protective, and functional coating systems, eg, automotive finishes, marine paints, industrial coatings, traffic paints, maintenance paints, and exterior and interior oil, alkyd or latex house paints (see Coatings; Paint). In addition, they provide mass coloration for fibers, plastics, paper, rubber, elastomers, glass, cement, glazes, and porcelain enamels. They are colorants in printing inks, cosmetics, and markers, eg, crayons (see Colorants). Some are used for pigmentation of magnetic tape (qv) and others as fillers (qv) for paper products. A few pigments that were used prior to the discovery of Prussian blue in 1704 were cinnabar [19122-79-3], malachite [1319-53-5], Egyptian blue [10279-60-4], lapis lazuli [1302-85-8], white lead [1344-36-1], and carbon [7440-44-0] (1-5).

Inorganic pigments belong to numerous chemical classes including elements, oxides, sulfides, chromates, silicates, phosphates, and carbonates. Available pigments are whites, eg, titanium dioxide, zinc oxide, and zinc sulfide; reds, eg, cadmium sulfide selenide [12214-12-9], and iron oxide [1345-25-1]; yellows, eg, cadmium sulfide, lead chromate [7758-97-6], and iron oxide; greens, eg, chromium oxide green; blues, eg, iron, ultramarine, and cobalt blues; and blacks, eg, carbon black. There also are metallic flakes and many natural and synthetic extender pigments, eg, kaolinite, mica, calcium carbonate, silica, barium sulfate, and talc.

Pigments can be colored, colorless, black, white, or metallic. Generally they are solids of small particle size and remain insoluble or relatively so in the medium or binder in which they are dispersed. Color production results from the pigment's selective absorption of visible light; large pigment particles also may scatter light and thereby influence the opacity of the binder. Pigments provide protective functions: by absorbing uv and other radiation, they prevent degradation and embrittlement of film or substrate; by changing film permeability, they increase durability; or, by chemical interactions with substrates, they can retard corrosion (see Corrosion and corrosion inhibitors). They can act as fungistats and antistatic agents (qv) or can be used to control rheological properties (see Fungicides; Rheological measurements).

Properties and characteristics that are factors in pigment selection include hue, tint, or undertone hue; tinctorial strength; brightness; texture; dispersibility; opacity; transparency; oil absorption; lightfastness; weatherability; solvent, chemical, heat, moisture, bleed, and migration resistance; flow, leveling, and other rheological properties; and binder reactivity. Properties of pigments are not only a function of the chemical composition but are related to other physical and chemical characteristics such as particle size, particle shape, particle size distribution, and the nature of the pigment's surface. In addition, surface contaminants, eg, water and/or water solubles, can influence the behavior of pigmented systems. Unless otherwise noted, most property values given in the tables and in the text are listed in ref. 6.

Table 1	Listing of Incomanic Diamonts	Colour Index Name and Number (	AS Registry Number, and Specifications

	CI	CAS		
Colorant	name and number	Registry Number	Chemical composition	Specifications
alumina hydrate	Pigment White 24, CI 77002	[1332-73-6]	AlHO <sub>5</sub>	
aluminum flake	Pigment Metal 1, CI 77000	[7429-90-5]	Al	TT-P-320C
				ASTM D 962-66
antimony oxide	Pigment White 11, CI 77052	[1309-64-4]	$Sb_2O_3$	TT-P-325a
anning oute				MIL-P-15144A
				MIL-E-17970C
asbestos		[12001-29-5]	3MgO.2SiO2.2H2O	
barium metaboratea		[13701-59-2]	BaB <sub>2</sub> O.H <sub>2</sub> O	
barytes	Pigment White 22, CI 77120	[7727-43-7]	BaSO <sub>4</sub>	ASTM D 602-42
barium sulfate, natural	I igment // mes 22, er / res		•	
bismuth oxychloride		[7787-59-9]	BiOCI	
black iron oxide		1.3.4.4.4.4.1		
natural	Pigment Black 11	[1317-61-9]	Fe <sub>3</sub> O <sub>4</sub>	
synthetic	Pigment Black 11, CI 77499	[12227-89-3]	Fe <sub>3</sub> O <sub>4</sub>	TT-P-390
Bylitiletic	riginent Diaca 11, 01 11 100	1.22. 55 51		ASTM D 769-48
blanc fixe	Pigment White 21, CI 77120	[7727-43-7]	BaSO <sub>4</sub>	ASTM D 602-42
barium sulfate, synthetic	riginent winter as, or viras			
bone black	Pigment Black 9, CI 77267	[8021-99-6]	c	
bronze powders	Pigment Metal 2, CI 77400	[7440-50-8]	Cu/Zn	ASTM D 267-41
cadmium sulfide	Pigment Yellow 37, CI 77199	[1306-23-6]	CdS	TT-P-342
cadmium sulfide	Pigment Yellow 35, CI 77117	[8048-07-5]	CdS/ZnS/BaSO4, CdS/BaSO4	TT-P-342
lithopone	riginent renow 30, C177117	[0010 01 0]	040/11110/121204/	DID S WITTE
그리아 아이는 이 바다 아이는	Pigment Orange 20, CI 77196	[12656-57-4]	CdS/CdSe, CdS/CdSe/BaSO4	ТТ-Р-341а
cadmium orange	Figment Grange 20, Cl 17150	[72030-37-4]	vals, calle, vals, sals,	Reform AMAREN
pure and lithopone	Pigment Red 108, CI 77202	[58339-34-7]	CdSe/CdS, CdSe/CdS/BaSO4	TT-P-341a
cadmium red	Pigment Red 108, C1 77202	[00003-04-7]	cube, cub, cube, cub, but of	
pure and lithopone	D: White 10 Cl 77000	[471-34-1]	CaCO <sub>3</sub>	ASTM D 1199-69
calcium carbonate	Pigment White 18, CI 77220	[4/1-34-1]	CaCO3	Maritime 52-MA-524b
natural and synthetic				MIL-C-15198A
aalaine mulubdata		[7789-82-4]	CaMoO <sub>4</sub>	0
calcium molybdate calcium plumbate		[12013-69-3]	2CaO.PbO <sub>2</sub>	British Standard 3699
calcium piumbate calcium silicate		[1344-95-2]		
carbon black	Pigment Black 7, CI 77266	[1333-86-4]	C	
chrome green	Pigment Green 15, CI 77510/	[1308-38-9] [1344-37-2]	mixture of iron blue and chrome yellow	TT-P-345 ASTM D 212-47; D 213-47

#### SITE: ALLIED PRODUCTS/BUSH HOG DIVISON

#### HRS AIR ROUTE SCORE

	CATEGORY/FACTOR			SN. VALLE	ಕರ ಇಕ	
1.	OBSERVED RELEASE	Commercial		Ō	· ·	
2.	WASTE CHARACTERISTICS			·•		
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## **POOR LEGIBILITY**

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FAZIAD RANKING BYSTEM SCORING SUMMARY

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### SITE: ALLIED PRODUCTS/BUSH HOG DIVISON

#### HRS GROUND WATER ROUTE SCORE

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#### HRS SURFACE WATER ROUTE SCORE

	CATEGORY/FACTOR	3	RAW DATA	ASN. VALUE	SUCKS
1.	OBSERVED RELEAS	3E	YES	45	41.2
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### HAZARD RANKING SYSTEM SCORING CALCULATIONS FOR

#### SITE: ALLIED PRODUCTS/BUSH MOS DIVISON AS OF 05/24/68

GROUND WATER ROUTE SCOFE

ROUTE CHARACTERISTICS 5
DONTAINMENT X 3
WASTE CHARACTERISTICS X 20
TARGETE X 39

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## **Potential Hazardous Waste Site**

Site Inspection Report



## Site Inspection Report

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L IDENTIFICATION

VLIA	PART 1 - S	ITE LOCATION	CTION	I REPORT PECTION INFOR	MATION	AL	ALD9805	R 5 <i>9 1</i> 94
II. SITE NAME AND LOCA	ATION			- COTTON INCOM	- ION			
01 SITE NAME (Legal, common, or	descriptive name of site)		102.5	REET, ROUTE NO., OR	SDECKEC I COLUMN	-		
HALLED PRODUCTS	BUSH HOS DIE	SON	110	LL ROAD AND		DENTIFIER		
SELMA	,, , , , , , , , , , , , , , , , , , , ,		04.51	ATE 06 ZIP CODE	06 COUNTY		07COUNT	08 CONG
09 COORDINATES	I ONOTHING	10 TYPE OF OWNE	RSHIP (Che	t onei	· · · · · · · · · · · · · · · · · · ·			L
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III. INSPECTION INFORM.	02 SITE STATUS	03 YEARS OF OPE	BATTON					
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MONTH DAY YEAR 04 AGENCY PERFORMING INSP	ECTION (Creek at that apply)	- 8	EGINNING			JNKNOWN		
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E. STATE D F. STATE		(Name of firm)		OTHER	MUNICIPAL CONTE	ACTOR	(Name of firm)	
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## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

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III. WASTE T	YPE						
CATEGORY	SUBSTANCE	NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE				DRUMS COM	TAMING RED PAINT	WASTE
OLW	OILY WASTE	18.00					
SOL	SOLVENTS						
PSD	PESTICIDES						
осс	OTHER ORGANIC C	HEMICALS					
юс	INORGANIC CHEMI	CALS					
ACD	ACIDS						
BAS	BASES						
MES	HEAVY METALS				DOUMS WITH	SLUDGE MAY CON	TA W CADMID
IV. HAZARD	OUS SUBSTANCES	Appendix for most frequen	ntly cand CAS Mumbers)				
01 CATEGORY	02 SUBSTANCE	NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD		05 CONCENTRATION	06 MEASURE OF
MES	CADMIUM		7440-43-9	DENNS		UNKNOUN	
				*******			
							1
			1				
			<b>†</b>				1
		3/40	1	†			<del>                                     </del>
							+
V EEEDeT/	CAR * * * * * * * * * * * * * * * * * * *			1		<u> </u>	L
	OCKS (See Appendix for CAS Num		T				
CATEGORY	01 PEEDSTO	CK NAME	02 CAS NUMBER	CATEGORY	01 FEEDS	STOCK NAME	02 CAS NUMBER
FDS				FDS			
FDS				FDS			
FDS				FDS			
FDS			1	FDS			
VI. SOURCE	S OF INFORMATION (CA	te apecific references, s.	g., state flos, sample analysis.	. reports)			
111111111111111111111111111111111111111	MARY REASSESS	Almer	TRACT KADI	EV		**	

**⊕EPA** 

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ALD 980559199

WEI /	PART 3 - DESCRIPTION OF	AZARDOUS CONDITIONS AND INCIDEN	ITS AL	0+D980559199
II. HAZARDOUS CONDI				
01 TS A. GROUNDWATE 03 POPULATION POTEN	R CONTAMINATION TIALLY AFFECTED: 36, 480	02 Geserved (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL	☐ ALLEGED
SEUMH AND NO	THE DAMES COUNTY MUNICE	OPAL SYSTEMS WITHIN 3 MILL	6/5 0/ POTENTIAL	C ALLEGED
03 POPULATION POTENT		04 NARRATIVE DESCRIPTION	AL POTENTIAL	L ALLEGED
FOUR STREAM MIL	RS SOUTH BOTH ARE	ND DOWNSLADIENT OF SITE. IT FLOWS FISHED. RIVER IS USED FOR BOA	INTO ALABAMI ATINO, SWIMM	A RIVER
01 25 C CONTAMINATIO 03 POPULATION POTENT	MALLY AFFECTED:	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	(X POTENTIAL	□ ALLEGED
UNKNOWN, HOWE	VER DEEN DRUMS COULD A	HUDW MAPARS TO RECAPE.		
01 28 D. FIRE/EXPLOSIVE 03 POPULATION POTENT	CONDITIONS TALLY AFFECTED:	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL	□ ALLEGED
NKNOWN				
01 (S.E. DIRECT CONTAC 03 POPULATION POTENTI	ALLY AFFECTED:	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	CKPOTENTIAL	□ ALLEGED
SITE ALLOSS IS				
01 JS.F. CONTAMINATION 03 AREA POTENTIALLY A	FFECTED: 24	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	AL POTENTIAL	☐ ALLEGED
Devois may have	LEAKED ONTO/INTO SO	1		
01 K. DRINKING WATER 03 POPULATION POTENTI	ALLY AFFECTED: 34,480	02 □ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	MPOTENTIAL.	□ ALLEGED
SEE GROONOW	TER ABOVE			
01 AM. WORKER EXPOS 03 WORKERS POTENTIAL	CHEROUNT	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	A POTENTIAL	□ ALLEGED
UNKNOWN				====
01 (II). POPULATION EXPO 03 POPULATION POTENTI.		02 G OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	<b>E</b> POTENTIAL	☐ ALLEGED
ar buggarages rosters -room 🖡				

SEPA

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

L IDENTIFICATION
01 STATE 02 SITE NUMBER
AV D986559199

PART 3 - DESCRIPTION OF HA	AZARDOUS CONDITIONS AND INCIDENT	s Wein	100-3/11
IL HAZARDOUS CONDITIONS AND INCIDENTS (Continued)			
01 M.J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 GOSSERVED (DATE:)	POTENTIAL	□ ALLEGED
BARREN BERAS NOTED	02   OBSERVED (DATE	SK POTENTIAL	S AU FOFD
04 NARRATIVE DESCRIPTION (Include name(s) of species)	02 - OBSENVED (DATE:	SEPOIENIAL	□ ALLEGED
NONE OBSERVED			
0 1 55 L CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	<b>★</b> POTENTIAL	☐ ALLEGED
UNKNOWN			
01 M. UNSTABLE CONTAINMENT OF WASTES (Spille/Runoff/Standing Rouds, Leating drums)	02 OBSERVED (DATE:)	POTENTIAL	S ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
DRUMS MAY HAVE LEAKED			
01 The DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 G OBSERVED (DATE:)	POTENTIAL	□ ALLEGED
RUNOFF MAY FLOW LASTWARD OFF			
01 IX.O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTF 04 NARRATIVE DESCRIPTION	02   OBSERVED (DATE:)	<b>爲</b> POTENTIAL	□ ALLEGED
NO SEWERS OBSERVED IN SITE ALA	24		
01 A-P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 KOBSERVED (DATE: MAY 1981)	☐ POTENTIAL	XALLEGED
DRUMS OBSERVED ONSTE MAY 1981 05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL OR ALL	EGED HAZAROS		
UNKNOWN			
III. TOTAL POPULATION POTENTIALLY AFFECTED: 3	6,480		
IV. COMMENTS			
V. SOURCES OF INFORMATION (Cre specific references, e. g., state //k			
PROHIMINARY KAASSESSMEAT			
PROLIMINARY KAASSESS MEAT			

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- 22	•
	4
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I. IDENTIFICATION			
OI STATE	FICATION 02 SITE NUMBER D 98 0559199		

<b>SEPA</b>	DART 4 DEDM	SITE INSPECT			01 STATE 02 SITE HAMBER D 980559199
II. PERMIT INFORMATION	FART 4-FERM	II AND DESCHI	PTIVE INFORMAT	TION	Lite ID TOOLS IT I
01 TYPE OF PERMIT ISSUED	02 PERMIT NUMBER	03 DATE ISSUED	To a summa a management		
(Check all that apply)	OL PERMIT NOMBER	OS DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS	
A. NPDES				1	
□ B. UIC					
G C. AIR					
C D. RCRA					
☐ E. RCRA INTERIM STATUS			_		
F. SPCC PLAN					
G. STATE (Spectr)					
☐ H. LOCAL (Specify)					
□ I. OTHER (Specify)		<b>†</b>			
J. NONE		<del></del>		-	
III. SITE DESCRIPTION				L	
1 STORAGE/DISPOSAL (Check all their apply)	02 AMOUNT 03 UNIT 0	OF MEASURE 04 TR	EATMENT (Check of that a		Taranga
☐ A. SURFACE IMPOUNDMENT			Comment loads a sea	POYI	05 OTHER
□ 8. PILES			INCENERATION		A. BUILDINGS ON SITE
15. C. DRUMS, ABOVE GROUND	100		UNDERGROUND INJE CHEMICAL/PHYSICA		
C D. TANK, ABOVE GROUND			BIOLOGICAL		
E. TANK, BELOW GROUND	11111		WASTE OIL PROCES	SING	06 AREA OF SITE
JEF. LANOFILL □ G. LANDFARM	UNK	——   D F. S	SOLVENT RECOVERY	1	1/
H. OPEN DUMP		58560 7000	OTHER RECYCLING	RECOVERY	27 (Acres)
□ I. OTHER		—   🗆 н. і	OTHER	ofv)	i
(Specify) 07 COMMENTS					
V. CONTAINMENT					
1 CONTAINMENT OF WASTES (Check one)					
☐ A. ADEQUATE, SECURE	☐ B. MODERATE	C. INADEQUA	ATE. POOR	D. INSECU	IRE, UNSOUND, DANGEROUS
2 DESCRIPTION OF DRUMS, DIKING, LINERS, B  NONE OBSERVED  ACCESSIBILITY	ARRIERS, ETC.				
01 WASTE EASILY ACCESSIBLE: DES 02 COMMENTS	□ NO				
I. SOURCES OF INFORMATION (CAN ADM	cific references, é.g. sisse libre, semei	la analysis, reports)			
PRELIMINARY PEASS	RESMENT				

I. IDENT	TEICATION
OI STATE	02 SITE NUMBER D 980559199

<b>⇔EPA</b>		SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA						AL D980539199		
I. DRINKING WA	TER SUPPLY									
1 TYPE OF DRINKIN	G SUPPLY		02 STATUS				03	DISTANCE TO SITE		
(Check as applicable)	SURFACE	WELL	ENDANGERE	) AFFE	TED	MONITORED				
COMMUNITY	A. □	B. M	A. C	B.		C. 🗆		≈ / (mi)		
ON-COMMUNITY	<b>c</b> . a	D. 0	D. 🗆	E.		F. 🗆	B.	(mi)		
L GROUNDWAT										
	ISE IN VICINITY (Check	onei								
X A. ONLY SOUP	ICE FOR DRINKING	C B. DRINKING (Other sources available) COMMERCIAL, INC (No other water source)	SUSTRIAL IRRIGATION	(4	OMMERCU inted other s	AL, INDUSTRIAL, IRF	RIGATION C	D. NOT USED, UNUSEABLE		
2 POPULATION SER	IVED BY GROUND WAT	TER 36,480		03 DISTANC	E TO NEA	REST DRINKING WA	TER WELL	≈ / (mi)		
04 DEPTH TO GROUP	OWATER	05 DIRECTION OF GROO	UNDWATER FLOW	06 DEPTH TO OF CONC		07 POTENTIAL OF AQUIFE	YIELD	08 SOLE SOURCE AQUIFER		
_350	bls m	UNKNOW	M.		bls (		10 (apd)	TES PLNO		
O DESCRIPTION OF	WELL S (Inches the course	, depth, and location relative to p				P	ER WELL			
O RECHARGE AREA  OF NO.  COMM	ENTS			□ YES	COMME	ENTS				
V. SURFACE WA	TEO									
1 SURFACE WATER										
	IR, RECREATION WATER SOURCE		N, ECONOMICALLY TRESOURCES	□ <b>c</b> . c	COMMER	ICIAL, INDUSTRIA	_ *	D, NOT CURRENTLY USED		
2 AFFECTED/POTE	NTIALLY AFFECTED BY	ODIES OF WATER								
NAME:						AFFEC	TED	DISTANCE TO SITE		
VALVAY	CREEK					-		and the		
	A RIVER							40		
							· -	(m		
. DEMOGRAPH	C AND PROPERT	Y INFORMATION								
1 TOTAL POPULATE	ON WITHIN					02 DISTANCE TO	EAREST POP	ULATION		
ONE (1) MILE O	FSITE TV	NO (2) MILES OF SITE	THREE (3	) MILES OF	SITE					
A. 101-1,8		NO OF PERSONS	c. <b>≥</b>	20 MTC	20-1000		_ 60	- (mi)		
3 NUMBER OF BUIL	DINGS WITHIN TWO (2	MILES OF SITE		04 DISTANC	E TO NEA	REST OFF-SITE BUI	LDING			
	100-5	00					60 st	(mi)		
05 POPULATION WIT	HIN VICINITY OF SITE	Provide nerretive description of	nature of population within	vicinity of alte. e.	g., nune, van	ge, densely populated u	rben area)			
		ED IN COMY			HWY	80 IS 21	NED W	MH FAST FOOD		

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-=-	
4	

L IDENTIFICATION

<b>WEPA</b>	SITE INSPE	ECTION REPORT PHIC, AND ENVIRONMENTAL DATA	OI STATE OZ SITE NUMBER
VI. ENVIRONMENTAL INFOR	MATION	THIC, AND ENVIRONMENTAL DATA	17700357171
01 PERMEABILITY OF UNSATURATE	D ZONE (Check one)		
		☐ C. 10 <sup>-4</sup> - 10 <sup>-3</sup> cm/sec ☐ D. GREATER 1	THAN 10-3 cm/sec
02 PERMEABILITY OF BEDROCK (Chi			
☐ A. IMPE	RMEABLE B. RELATIVELY IMPERMEA		VERY PERMEABLE
03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL PH	15 18350
(ft)	DNK (m)	UNK	
06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE   DIRECTION OF SITE SU	
(in)	3,25 (in)	SITE SLOPE DIRECTION OF SITE SL	OPE TERRAIN AVERAGE SLOPE
SITE IS IN UNK YEAR FI	OCCES AND STEELS ON BARRE	RIER ISLAND, COASTAL HIGH HAZARD AREA, F	WEDINE SI CODMAN
DISTANCE TO WETLANDS IS acre me			
ESTUARINE	OTHER	12 DISTANCE TO CRITICAL HABITAT (of endangered a	
A. 720 (mi)	B(mi)	-14/7	(mi)
3 LAND USE IN VICINITY	(in)	ENDANGERED SPECIES:	
DISTANCE TO:			
COMMERCIAL/INDUST	RESIDENTIAL AREAS NATIO	ONAL/STATE PARKS. AGRICU FE RESERVES PRIME AG LAND	JLTURAL LANDS AG LAND
104		Int //	
A. Office	B. 0.19	(mi) c////	mi) D(mi)
DESCRIPTION OF SITE IN RELATION	TO SURROUNDING TOPOGRAPHY		2000
SOURCES OF INFORMATIO	N (Cite apocatic references, e.g., sizee flos, sample analysis, r	reporte)	
RELIMINATION P.	PASSMENT		
Political La			
ELLIMINARY PL ENA, STATE PIL	es		

		$\mathbf{A}$	
300			Ĺ
V	اطا		۱

#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6 - SAMPLE AND FIELD INFORMATION

L IDENTIFICATION

01 STATE 02 SITE NAMES

AL ID 98 0559199

<b>WEFA</b>	P	ART 6 - SAMPLE AND FIELD INFORMATION	AL 1078 (559777
SAMPLES TAKEN	Tot Market Of	102 SAMPLES SENT TO	03 ESTIMATED DATE
SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	VE GRANT LEG GERT TO	RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			
II. FIELD MEASUREMENTS	TAKEN		
IV. PHOTOGRAPHS AND N 01 TYPE AGROUND AS 03 MAPS 04 LOC		02 IN CUSTODY OF	SHOW 4
□ YES	~	<del></del>	
V. OTHER FIELD DATA CO	OLLECTED (Provide namely)	Necription)	
VI. SOURCES OF INFORM	IATION (Cre specific reference	e, e.g., state files, sample analysis, reports)	
DOGIJMINA	V RAPSSESS	MEAT	
PERLIMINARY STONE, BPA	FURS		

<b>⊕EPA</b>		SITE IN	IAZARDOUS WASTE SITE SPECTION REPORT DWNER INFORMATION	L IDENTI	FICATION 02 SITE NUMBER D980SS919
II. CURRENT OWNER(S)			PARENT COMPANY (# applicable)		
DI NAME  UNK NOWN  O3 STREET ADDRESS (P O BOL APPLY BIC.)		02 D+B NUMBER	OS NAME		09 D+B NUMBER
	n C	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD F. etc.	1	11 SIC CODE
FORMER DUNGES WISH HOR, INC.	OB STAT	E 07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER	OB NAME		09 D+8 NUMBER
03 STREET ADDRESS (P.O. Box, RFD F. etc.)		04 SIC CODE	10 STREET ADDRESS (P.O. BOX. RFD #, etc.	ı	11 SIC CODE
05 CITY	06 STAT	E 07 ZIP CODE	12 CTY	13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER	OB NAME		09 D+B NUMBER
D3 STREET ADDRESS (P O Box. AFD #. etc.)	STREET ADDRESS (P.O. Box, AFD P. etc.)		10 STREET ADDRESS (P.O. Box. AFD #, etc.)		11SIC CODE
DS CITY	06 STATE	07 ZIP COD€	12 CITY	13 STATE	14 ZIP CODE
DI NAME		02 D+8 NUMBER	08 NAME		09D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD P. HC.)		04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD F. etc.)		11 SIC CODE
DS CITY	06 STATE	07 ZIP COO€	12 CITY	13 STATE	14 ZIP CODE
III. PREVIOUS OWNER(S) (Let most recent first)		L	By Deal By Owner, or		
1 NAME	/איניש	02 D+B NUMBER	IV. REALTY OWNER(S) (# applicable at 01 NAME		02 D+B NUMBER
DIS STREET ADORESS (P.O. Sou. RFD #, etc.)		04 SIC CODE	03 STREET ADDRESSTP O. Box, RFD #. etc.)		04 SIC COD€
5 CITY	06STATE	07 ZIP CODE	05 City	06 STATE	07 ZIP CODE
1 NAME		02 D+8 NUMBER	O1 NAME		02 D+8 NUMBER
3 STREET ADDRESS (P.O. Box. RFO P. etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, AFD #, etc.)		04 SIC COD€
6 СПУ	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
1 NAME		02 D+B NUMBER	O1 NAME		02 D+8 NUMBER
3 STREET ADDRESS (P O Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, AFD P. etc.)		04 SIC CODE
SCITY	06 STATE	07 ZIP COOE	05 CITY	OS STATE	07 ZIP COO€
. SOURCES OF INFORMATION (City appendix	references, e	.g., state fles, sample and	yala, reports)		
					× × × × × × × × × × × × × × × × × × ×
					Į.

<b>⊕EPA</b>		PC	SITE INSPE	ARDOUS WASTE SITE CTION REPORT TOR INFORMATION	OI STATE O	PICATION 2 SITE NUMBER
II. CURRENT OPERA	TOR (Provide & different from	m owner)		OPERATOR'S PARENT COMPAN	Y (# applicable)	
N/	7		02 D+8 NUMBER	10 NAME		11 D+B NUMBER
3 STREET ADDRESS (P.O.	Box, RFD #. etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, AFD P, etc.)		
8 CITY		06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
8 YEARS OF OPERATION	09 NAME OF OWNER				1	
III. PREVIOUS OPERA	TOR(S) (Last most recent if	first; provide on	ly if different from owner)	PREVIOUS OPERATORS' PAREN	T COMPANIES	Tappicable)
I NAME	A.		02 D+8 NUMBER	10 NAME		11 D+B NUMBER
STREET ADDRESS # 0.	Box. RFD #, etc.)		04 SIC COD€	12 STREET ADDRESS (P.O. Box, RFD P. etc.)		13 SIC CODE
06 CITY		OS STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING THE	S PERIOO			
01 NAME			02 D+8 NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O.	Box. RFD F. etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY		06 STATE	07 ZIP CODE	14 CTY	15 STATE	E 16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING TH	IS PERIOD			
01 NAME	1		02 D+8 NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADORESS (P O.	Box, RFD 4, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, AFD P, etc.	1	13 SIC CODE
05 CITY		06 STATE	07 ZP CODE	14 CITY	15 STAT	E 16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER	R DURING TH	IS PERIOD			
IV. SOURCES OF IN	EORMATION -		200 - 00.000 <b>-</b> 0000 00.000 00.000			
17. 50011025 07 114	CHARTION (CHORDE					

		POTENTIAL HA SITE INSI 19 - GENERATOR	I. IDENTIFICATION  01 STATE 02 SITE NUMBER		
ON-SITE GENERATOR	1000000		THAT ON EN INFORMATION		
NAME /.		02 D+B NUMBER			
NA					
STREET ADDRESS (PO Box. AFD . MC.)		04 SIC CODE	<del> </del>		
		(10)			
CITY	06 STATE	E 07 ZIP CODE			
OFF-SITE GENERATOR(S)					
NIA		02 D+B NUMBER	01 NAME		02 D+B NUMBER
STREET ADDRESS (A)O. Box, RFD #. erc.)		04 SIC CODE	03 010007 1000000		
		37 30 0002	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
ary	08 STATE	07 ZIP CODE	05 CITY	IOA STATE	07 ZIP CODE
		1 - 24   4-00 - 400   400 - 400   400   400   400   400   400   400   400   400   400   400   400   400   400		OU STATE	U/ ZIP CODE
IAME		02 D+B NUMBER	01 NAME		02 D+B NUMBER
TREET ADDRESS (P. O. Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P O. Box, RFD #, etc.)		04 SIC CODE
YTK	NA 07.77				
	OO STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
TRANSPORTER(S)					
AME		02 D+B NUMBER	los name		
NA		OL D TO HOMBEN	01 NAME		02 D+B NUMBER
TREET ADDRESS (P.O. BOX, AFD P. MC.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, AFD F. etc.)		Tours coor
/		ł			04 SIC CODE
TY	06 STATE	07 ZIP CODE	05 CTY	O6 STATE	07 ZIP CODE
WE		02 D+B NUMBER	01 NAME		02 D+B NUMBER
REET ADDRESS (P.O. Box, AFD P. etc.)					
TILL! POUNCOO (P.O. BOX, RED P, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD P. etc.)		04 SIC CODE
TY	IOS STATE!	07 ZIP CODE			
	3331111	0724006	05 CITY	OS STATE	07 ZIP CODE
OURCES OF INFORMATION (CA					
	pecarc /prerences. s.	g., erere mes, sample analysis,	(1000/TEJ		

	POTENTIAL HAZARDOUS WASTE SI	TE L	LIDENTIFICATION
£FPΔ	SITE INSPECTION REPORT		01 STATE 02 SITE NUMBER
VLIA	PART 10 - PAST RESPONSE ACTIVITIE	s l	
IL PAST RESPONSE ACTIVITIES			
01 Z.A. WATER SUPPLY CLOSED	02 DATE	03 AGENCY .	
04 DESCRIPTION			
N/A			
01 2-9. TEMPORARY WATER SUPPLY PROVICE	DED 02 DATE	03 AGENCY .	
04 DESCRIPTION			
y WA			
01 S.C. PERMANENT WATER SUPPLY PROVIDED	DED 02 DATE	03 AGENCY .	
N/A			
01 D.D. SPILLED MATERIAL REMOVED	02 DATE	03 AGENCY	
04 DESCRIPTION			
MAY HAVE BREN REM	OVED		
01°55-E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY	
	40 40		
MAY HAVE BARN	RAMOVED	03 AGENCY	
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE	US AGENCY	
UNKNOWN	0		
01 (DLG. WASTE DISPOSED ELSEWHERE	02 DATE	03 AGENCY	
04 DESCRIPTION			
MAY UM	OZDATE DOWN SANT TO LAND	FILL	
01 MZ H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	03 AGENCY	
SOME DEUMS BURI	ed before anerged c	LEAN-UP	
01 EC. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY	
UNKNOWN			
01 S.J. IN SITU BIOLOGICAL TREATMENT	02 DATE	03 AGENCY	
04 DESCRIPTION			
UNKMOWN			
01 M.K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY	
UNKALOWA	02 DATE	03 AGENCY	
01 O L ENCAPSULATION 04 DESCRIPTION	OZ UNIE		
UNKNOWN			
04 DESCRIPTION  UNULUOUV  01 DAM. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY	
UNKNIWW			
01  N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGIENCY	
IN WWALLAN			
01 O. EMERGENCY DIKING/SURFACE WAT	TER DIVERSION 02 DATE	03 AGENCY	
04 DESCRIPTION	SZ DNIE		
NIA			
01 P. CUTOFF TRENCHES/SUMP	02 DATE	03 AGENCY	
04 ASSCRIPTION			
LNKNOWN			
0 Q. SUBSURFACE CUTOFF WALL	02 DATE	03 AGENCY	
04 DESCRIPTION			
UNKNOWN			
EPA FORM 2070-13 (7-81)			

<b>⊕EPA</b>	POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES		L IDEN	O2 SITE NUMBER
II PAST RESPONSE ACTIVITIES (Continued)	THE STATE OF THE PARTY OF THE P			
01 DAR, BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY		
01 S. S. CAPPING/COVERING 04 DESCRIPTION WD	02 DATE	03 AGENCY_		
01 XI, BULK TANKAGE REPAIRED 04 DESCRIPTION	O2 DATE	03 AGENCY_		
01 to U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY_		
OT V. BOTTOM SEALED OF DESCRIPTION	02 DATE	03 AGENCY_		
01 XS.W. GAS CONTROL 04 DESCRIPTION  N/A	02 DATE	03 AGENCY_		
01 X X. FIRE CONTROL 04 DESCRIPTION	02 DATE	03 AGENCY_		
01 S.Y. LEAGHATE TREATMENT	02 DATE	03 AGENCY_		
01 S. Z. AREA SVACHATED 04 DESCRIPTION	02 DATE	03 AGENCY_		
01 X1 ACCERS TO SITE RESTRICTED 04/DESCRIPTION	02 DATE	03 AGENCY_		
01   2. POPULATION RELOCATED  04 DESCRIPTION	02 DATE	03 AGENCY_		
01 - 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE	03 AGENCY_		
II. SOURCES OF INFORMATION (CRe apacific reference	94. 9 g., state files, sample analysis, reports)		200-2002-0	
PLEUMINARY PROSSESSESSESSESSESSESSESSESSESSESSESSESSE	CM BATT			



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### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

#### General Information

The Potential Hazardous Waste Site, Site Inspection Report form is used to record information collected during, or associated with, an inspection of the site and other information about responsible parties and past response activities.

The Site Inspection Report form contains eleven parts:

- Part 1 Site Location and Inspection Information
- Part 2 Waste Information
- Part 3 Description of Hazardous Conditions and Incidents
- Part 4 Permit and Descriptive Information
- Part 5 Water, Demographic, and Environmental Data
- Part 6 Sample and Field Information
- Part 7 Owner Information
- Part 8 Operator Information
- Part 9 Generator/Transporter Information
- Part 10 Past Response Activities
- Part 11 Enforcement Information
- Part 1 Site Location and Inspection Information contains all of the data elements also contained on the Site Identification and Preliminary Assessment forms required to add a site to the automated Site Tracking System (STS). It is therefore possible to add a site to STS at the Site Inspection stage. Instructions are given below.
- Part 2 Waste Information and Part 3 Description of Hazardous Conditions and Incidents are used to record specific information about substances, amounts, hazards, and targets, e.g., population potentially affected. Parts 2 and 3 are also contained in the Potential Hazardous Waste Site, Preliminary Assessment form. Information recorded on Part 2 and Part 3 during a preliminary assessment may be updated, added, deleted, or corrected on the Site Inspection Report form.

An Appendix with feedstock names and CAS Numbers and the most frequently cited hazardous substances and CAS Numbers is located behind the instructions for the Site Inspection Report.

A number of the data items collected throughout the Site Inspection Report support the Site Ranking Model. The majority of these data items are found in Part 5 — Water, Demographic, and Environmental Data.

#### General Instructions

- Complete the Site Inspection Report form as completely as possible.
- 2. Starred items (\*) are required before inspection information can be added to STS. The system will not accept incomplete inspection information.
- To add a site to STS at the Site Inspection stage, write "New" across the top of the form and complete items II-01, 02, 03, 04, and 06, Site Name and Location, II-09 Coordinates, and II-10, Type of Ownership.
- Data items carried in STS, which are identical to those on the Site Identification and Preliminary Assessment forms and which can be added, deleted, or changed using the

- Site Inspection Report form, are indicated with a pound sign (#). To ensure that the proper action is taken, outline the item(s) to be added, deleted, or changed with a bright color and indicate the proper action with "A" (add), "D" (delete) or "C" (change).
- 5. There are two options available for adding, deleting, or changing information supplied on the Site Inspection Report form. The first is to use a new Site Inspection Report form, completing only those items to be added, deleted, or changed. Mark the form clearly, using "A", "D", or "C", to indicate the action to be taken. If only data in STS are to be altered, the Site Source Data Report may be used. Using the report, mark clearly the items to be changed and the action to be taken.

#### **Detailed Instructions**

#### Part 1 Site Location and Inspection Information

- Identification: Identification (State and Site Number) is the site record key, or primary identifier, for the site. Site records in the STS are updated based on Identification. It is essential that State and Site Number are correctly entered on each form.
- \*I-01 State: Enter the two character alpha FIPS code for the state in which the site is located. It must be identical to State on the Site Identification form.
- \*1-02 Site Number: Enter the ten character alphanumeric code for sites which have a Dun and Bradstreet or EPA "user" Dun and Bradstreet number or the ten character numeric GSA identification code for federal sites. The Site Number must be identical to the Site Number on the Site Identification and Preliminary Assessment forms.
- II. Site Name and Location: If Site Name and Location information require no additions or changes, these items are not required on the Site Inspection Report form. However, completing these items will facilitate use of the completed form and records management procedures.
- #II-01 Site Name: Enter the legal, common, or descriptive name of the site.
- #II-02 Site Street: Enter the street address and number (if appropriate) where the site is located. If the precise street address is unavailable for this site, enter brief direction identifier, e.g., NW Jct 1-295 & US 99; Post Rd, 5 mi W of Rt. 5.
- #II-03 Site City: Enter the city, town, village, or other municipality in which the site is located. If the site is not located in a municipality, enter the name of the municipality (or place) which is nearest the site or which most easily locates the site.
- #II-04 Site State: Enter the two character alpha FIPS code for the state in which the site is located. The code must be the same as in item I-01.
- #II-05 Site Zip Code: Enter the five character numeric zip code for the postal zone in which the site is located.

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- #II-06 Site County: Enter the name of the county, parish (Louisiana), or borough (Alaska) in which the site is located.
- #II-07 County Code: Enter the three character numeric FIPS county code for the county, parish, or borough in which the site is located. (The regional data analyst can furnish this data item.)
- #II-08 Site Congressional District: Enter the two character number for the congressional district in which the site is located.
- \*#II-09 Coordinates: Enter the Coordinates, Latitude and Longitude, of the site in degrees, minutes, seconds, and tenths of seconds. If a tenth of a second is insignificant at this site, enter "0" in the tenths position.
- #II-10 Type of Ownership: Check the appropriate box to indicate the type of site ownership. If the site is under the jurisdiction of an activity of the federal government, enter the name of the department, agency, or activity. If Other is indicated, specify the type of ownership and name.

#### III. Inspection Information

- \*III-01 Date of Inspection: Enter the date the inspection occurred, or began for multiple day inspections.
- \*III-02 Site Status: Check the appropriate box(es) to indicate the current status of the site. Active sites are those which treat, store, or dispose of wastes. Check Active for those active sites with an inactive storage or disposal area. Inactive sites are those at which treatment, storage, or disposal activities no longer occur.
- #III-03 Years of Operation: Enter the beginning and ending years (or beginning only if operations at the site are on-going), e.g., 1878/1932, of site operation. Check Unknown if years of operation are not known.
- \*III-04 Agency Performing Inspection: Check the appropriate box(es) to indicate parties participating in the inspection. If contractors participate, provide the name of the firm(s).
- III-05 Chief Inspector: Enter the name of the chief, or lead inspector.
- III-06 Title: Enter the Chief Inspector's title, e.g., Team Leader, FIT team.
- III-07 Organization: Enter the name of the organization where the Chief Inspector is employed, e.g., EPA — Region 4, VA State Health Dept., Environmental Research Co.
- III-08 Telephone Number: Enter the Chief Inspector's area code and local commercial telephone number.
- III-09 Other Inspectors: Enter the names of other parties participating in the inspection.
- III-10 Title: Enter the titles of other parties participating in the inspection.
- III-11 Organization: Enter the names of the organizations where other parties participating in the inspection are employed.
- III-12 Telephone Number: Enter the area code and local commercial telephone numbers of other parties participating in the inspection.

- 111-13 Site Representatives Interviewed: Enter the names of individuals representing responsible parties interviewed in connection with the inspection. Interviews do not necessarily occur during the inspection.
- III-14 Title: Enter the titles of the individuals interviewed.
- III-15 Address: Enter the business, mailing, or residential addresses of the individuals interviewed.
- III-16 Telephone Number: Enter the area code and local commercial telephone numbers of the individuals interviewed.
- III-17 Access Gained By: Check the appropriate box to indicate whether access to the site was gained through permission or warrant.
- III-18 Time of Inspection: Using a 24-hour clock, enter the time the inspection began, e.g., for 3:24 p.m. enter 1524.
- III-19 Weather Conditions: Describe the weather conditions during the site inspection, especially any unusual conditions which might affect results or observations taken.

#### IV. Information Available From

- IV-01 Contact: Enter the name of the individual who can provide information about the site.
- IV-02 Of: If appropriate, enter the name of the public or private agency, firm, or company and the organization within the agency, firm, or company of the individual named as Contact.
- IV-03 Telephone Number: Enter the area code and local telephone number of the individual named as contact.
- IV-04 Person Responsible for Site Inspection Report Form: Enter the name of the individual who was responsible for the information entered on the Site Inspection Report form, The person responsible for the Site Inspection Report form may be different from the individual who prepared the form.
- IV-05 Agency: Enter the name of the Agency where the individual who is responsible for the Site Inspection Report form is employed.
- IV-06 Organization: Enter the name of the organization within the Agency.
- IV-07 Telephone Number: Enter the area code and local telephone number of the individual who is responsible for the Site Inspection Report form.
- IV-08 Date: Enter the date the Site Inspection Report form was prepared.

#### Part 2 Waste Information

- \*I. Identification: Refer to Part 1-1.
- II. Waste States, Quantities, and Characteristics: Waste States, Quantities, and Characteristics provide information about the physical structure and form of the waste, measures of gross amounts at the site, and the hazards posed by the waste, considering acute and chronic health effects and mobility along a pathway.

- \*II-01 Physical States: Check the appropriate box(es) to indicate the state(s) of waste present at the site. If Other is indicated, specify the physical state of the waste.
- \*II-02 Waste Quantity at Site: Enter estimates of amounts of waste at the site. Estimates may be in weight (Tons) or volume (Cubic Yards or Number of Drums). Use as many entries as are appropriate; however, measurements must be independent. For example, do not measure the same amounts of waste as both tons and cubic yards.
- \*II-03 Waste Characteristics: Check all appropriate entries to indicate the hazards posed by waste at the site. If waste at the site poses no hazard, check Not Applicable.
- Waste Category: General categories of waste typically found are listed here. Enter the estimated gross amount of each category of waste and the appropriate unit of measure.
- \*III-01 Gross Amount: Gross Amount is the estimate of the amount of the waste category found at the site. Estimates should be furnished in metric tons (MT), tons (TN), cubic meters (CM), cubic yards (CY), drums (DR), acres (AC), acre feet (AF), liters (LT), or gallons (GA). Enter the estimated amount next to the appropriate waste category.
- \*III-02 Unit of Measure: Enter the appropriate unit of measure, MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (number of drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons) next to the estimate of gross amount.
- III-03 Comments: Comments may be used to further explain, or provide additional information, about particular waste categories.
- IV. Hazardous Substances: Specific hazardous, or potentially hazardous, chemicals, mixtures, and substances found at the site are listed here. For each substance listed those data items marked with an "at" sign (@) must be included.
- @IV-01 Category: Enter in front of the substance name the three character waste category from Section III which best describes the substance, e.g., OLW (Oily Waste).
- @IV-02 Substance Name: Enter one of the following: the name of the substance registered with the Chemical Abstract Service, the common or accepted abbreviation of the substance, the generic name of the substance, or commercial name of the substance.
- @IV-03 CAS Number: Enter the number assigned to the substance when it was registered with the Chemical Abstract Service. Refer to the Appendix for most frequently cited CAS Numbers. CAS Numbers must be furnished for each substance listed. If a CAS Number for this substance has not been assigned, enter "999".
- @IV-04 Storage/Disposal Method: Enter the type of storage or disposal facility in which the substance was found: SI (surface impoundment, including pits, ponds, and lagoons), PL (pile), DR (drum), TK (tank), LF (landfill), LM (landfarm), OD (open dump).

- IV-05 Concentration: Enter the concentration of the substance found in samples taken at the site.
- IV-06 Measure of Concentration: Enter the appropriate unit of measure for the measured concentration of the substance found in the sample, e.g., MG/L, UG/L.

#### V. Feedstocks

- V-01 Feedstock Name: If feedstocks, or substances derived from one or more feedstocks, are present at the site, enter the name of each feedstock found. See the Appendix for the feedstock list.
- V-02 CAS Number: Enter the CAS Number for each feedstock named. See the Appendix for feedstock CAS Numbers.
- VI. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.
- Part 3 Description of Hazardous Conditions and Incidents
- \*I. Identification: Refer to Part 1-1.
- II. Hazardous Conditions and Incidents:
  - II-01 Hazards: Indicate each hazardous, or potentially hazardous, condition known, or claimed, to exist at the site.
  - II-02 Observed, Potential, or Alleged: Check Observed and enter the date, or approximate date, of occurrence if a release of contaminants to the environment, or some other hazardous incident, is known to have occurred. In cases of a continuing release, e.g., groundwater contamination, enter the date, or approximate date, the condition first became apparent. If conditions exist for a potential release, check potential. Check Alleged for hazardous, or potentially hazardous, conditions claimed to exist at the site.
- II-03 Population Potentially Affected: For each hazardous condition at the site, enter the number of people potentially affected. For Soil enter the number of acres potentially affected.
- II-04 Narrative Description: Provide a narrative description, or explanation, of each condition. Include any additional information which further explains the condition.
- II-05 Description of Any Other Known, Potential, or Alleged Hazards: Provide a narrative description of any other hazardous, or potentially hazardous, conditions at the site not covered above.
- III. Total Population Potentially Affected: Enter the total number of people potentially affected by the existence of hazardous, or potentially hazardous, conditions at the site. Do not sum the numbers shown for each condition.
- IV. Comments: Other information relevant to observed, potential, or alleged hazards may be entered here.

V. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 4 Permit and Descriptive Information

\*I. Identification: Refer to Part 1-1.

#### II. Permit Information

- 11-01 Type of Permit Issued: Check the appropriate box(es) to indicate the types of permits issued to the site. If state, local, or other types of environmental permits have been issued, specify the type.
- II-02 Permit Number: Enter the permit number for each issued permit.
- II-03 Date Issued: Enter the date each permit was issued.
- II-04 Expiration Date: Enter the date each permit expires or expired.
- II-05 Comments: Enter any information which further explains the types of permits issued or status of the permits.

#### III. Site Description

- \*III-01 Storage/Disposal: Check the appropriate box(es) to indicate the types of storage/disposal facilities found at the site. If Other is checked, specify the type of facility.
- \*III-02 Amount: Enter the gross amount of waste associated with each type of storage/disposal facility.

  Amounts may be measured in: metric tons, tons, cubic meters, cubic yards, drums, acres, acre feet, liters, or gallons.
- \*III-03 Unit of Measure: Enter the appropriate unit of measure for each entry. Units of measure are MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons).
- \*III-04 Treatment: If waste is treated at the site, check the appropriated box(es) to indicate treatment methods used. If Other is checked, specify treatment method.
- 111-05 Other: If there are buildings on site, check this box.
- \*III-06 Area of Site: Enter total area of site in acres.
- 111-07 Comments: Enter any other pertinent information.
- IV. Containment: Containment is a measure of the natural or artificial means taken to minimize or preclude health hazards and to minimize or prevent contamination of the environment from waste at the site.
  - \*IV-01 Containment of Wastes: Check the appropriate box to indicate the condition of containment measures at the site. When choosing the appropriate box, consider the potential for environmental contamination, i.e., the worst case for containment in conjunction with the most hazardous substances.
  - IV-02 Description of Drums, Diking, Liners, Barriers: Provide a narrative description of the condition of containment measures at the site, e.g., waste ade-

- quately contained, drums rusting and leaking, diking collapsing, liners leaking and contaminants leaching into soil and groundwater.
- Accessibility: Accessibility is an indicator of the potential for direct contact with hazardous substances.
  - \*V-01 Waste Easily Accessible: If there are no real barriers preventing human access to hazardous waste, check Yes, otherwise check No.
  - V-02 Comments: Additional information about accessibility to hazardous waste may be provided.
- VI. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 5 Water, Demographic, and Environmental Data

•1. Identification: Refer to Part 1-1.

#### II. Drinking Water Supply

- II-01 Type of Drinking Water Supply: Check the appropriate box(es) to indicate the types and sources of drinking water within the vicinity of the site. Community refers to municipal sources. Non-community refers to private sources, e.g., private wells.
- II-02 Status: Check the appropriate box(es) to indicate whether the water supply is endangered or affected by contaminants from the site. Check the appropriate box to indicate if the water supply is being monitored for possible contamination.
- II-03 Distance to Site: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to nearest drinking water source.

#### III. Groundwater

- 111-01 Groundwater Use in Vicinity: Check the appropriate box to indicate groundwater use in the vicinity of the site. The concern is to indicate the seriousness of groundwater contamination from waste at the site. Only Source for Drinking indicates that current water sources are limited to wells in the vicinity of the site. Drinking; Commercial, Industrial, Irrigation indicates that groundwater is used for drinking, but that other limited drinking sources are available and that no other sources for these additional uses are available. Commercial, Industrial, Irrigation indicates that groundwater is used for these purposes, but that limited other sources of water are available. Not used, Unuseable indicates that groundwater use in the area is not critical.
  - III-02 Population Served by Groundwater: Enter the number of people served by groundwater in the vicinity of the site. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads. When estimating population from aerial photographs or other sources, the conversion factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.

- III-03 Distance to Nearest Drinking Water Well: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest drinking water well.
- III-04 Depth to Groundwater: Enter the depth in feet to groundwater.
- III-05 Depth of Groundwater Flow: Enter the cardinal direction of groundwater flow, e.g., NNW.
- III-06 Depth to Aquifer of Concern: Enter the depth in feet to the aquifer of concern.
- III-07 Potential Yield of Aquifer: Enter the potential yield of the aquifer in gallons per day.
- III-08 Sole Source Aquifer: Check the appropriate box to indicate the aquifer of concern is, or is not, a sole source aquifer.
- III-09 Description of Wells: Provide a narrative description of wells in the vicinity of the site, including useage, depth, and location relative to population and buildings.
- III-10 Recharge Area: Check the appropriate box to indicate the site is located in a recharge area. Comments provide additional information on the recharge area.
- III-11 Discharge Area: Check the appropriate box to indicate the site is located in a discharge area. Comments provide additional information on the discharge area.

#### IV. Surface Water

- IV-01 Surface Water Use: Check the appropriate box to indicate surface water use in the vicinity of the site. The order of precedence is Reservoir, Recreation, Drinking Water Source; Irrigation, Economically Important Reserves; Commercial/Industrial; Not Currently Used.
- IV-02 Affected/Potentially Affected Bodies of Water: Enter the names of bodies of surface water affected, or potentially affected, by contaminants from the site. List the body of surface water nearest the site first. For each body of water check Affected if contaminants have been identified in samples of the water. Enter the shortest distance from the body of water to the site in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required).

#### V. Demographic and Property Information

- V-01 Total Population Within: Enter the total population within one (1) mile, two (2) miles, and three (3) miles of the site. Distances are measured from site boundaries. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads. When estimating population from aerial photographs or other sources, the conversion factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.
- V-02 Distance to Nearest Population: Enter in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) the dis-

- tance from the site boundary to the nearest population (one person minimum).
- V-03 Number of Buildings Within Two (2) Miles of Site:

  Enter the number of buildings within two miles from the boundaries of the site.
- V-04 Distance to Nearest Off-Site Building: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site boundary to the nearest off-site building.
- V-05 Population in Vicinity of Site: Provide a narrative description of the nature of the population within the vicinity of the site. Examples include rural area, small truck farms, urban industrial area, densely populated urban residential area.

#### VI. Environmental Information

- VI-01 Permeability of Unsaturated Zone: Check the appropriate box to indicate the permeability of the earth material above the water table in the vicinity of the site.
- VI-02 Permeability of Bedrock: Check the appropriate box to indicate the permeability of the bedrock in the vicinity of the site.
- VI-03 Depth to Bedrock: Enter the depth to bedrock in feet.
- VI-04 Depth of Contaminated Soil Zone: Enter the depth of the contaminated soil zone in feet.
- VI-05 Soil pH: Enter the pH of the soil in the vicinity of
- VI-06 Net Precipitation: Enter net precipitation in inches. If net precipitation is not known, subtract the average evaporation figure on the U.S. National Weather Service map showing average annual evaporation in inches from the U.S. Environmental Data Service map showing mean annual precipitation.
- VI-07 One Year 24 Hour Rainfall: Enter in inches the figure for one year 24 hour rainfall.
- VI-08 Slope: Enter the percentage of site slope, the direction of site slope, and the percentage of the surrounding terrain average slope.
- VI-09 Flood Potential: Enter the boundary year for the floodplain in which the site is located. Sites flooded annually are in a 1 (one) year floodplain. Other examples include 10, 20, 50, 100, 500, etc., indicating the probability of flooding within that time period.
- VI-10 Site is on Barrier Island, Coastal High Hazard Area, Riverine Floodway: If site is located in one of these areas, check this box.
- VI-11 Distance to Wetlands: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the closest wetlands (five acre minimum) for Estuarine and Other types of wetlands.
- VI-12 Distance to Critical Habitat: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest critical habitat

- of an endangered species. Enter the name(s) of the endangered species.
- VI-13 Land Use in Vicinity: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) to the nearest Commercial/Industrial area; Residential Area, National/State Parks, Forests, or Wildlife Reserves; or Agricultural Lands, Prime Ag Land and Ag Land. Prime Ag Land is that crop, pasture, range, or forest land which produces the highest yield in relation to inputs. Ag Land is the remaining agricultural land, frequents considered marginal.
- VI-14 Description of Site in Relation to Surrounding Topography: Provide a narrative description of significant or unusual aspects of the surrounding topography in relation to the site. Examples might include: site is in a valley surrounded on all sides by mountains, site is at edge of a river or stream which floods frequently, etc.
- VII. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 6 Sample and Field Information

\*I. Identification: Refer to Part 1-I.

#### II. Samples Taken

- II-01 Number of Samples Taken: Next to each sample type enter the number of samples of that type taken.
- II-02 Samples Sent To: Enter the name of the laboratory or other facility where the samples were sent for analysis.
- II-03 Estimated Date Results Available: Enter the estimated date the results are expected to be available.

#### III. Field Measurements Taken

- III-01 Type: Enter the type, e.g., radioactivity, explosivity, organic vapor or gas detection and analysis, reagent type gas detection, of each field measurement taken.
- III-02 Comments: Describe results of field measurements, whether they were taken on or off site, and if applicable, the type of disposal facility tested, e.g., drum, surface impoundment, landfill.

#### IV. Photographs and Maps

- IV-01 Type: If photographs of the site have been taken, check the appropriate box(es) to indicate the type.
- IV-02 In Custody Of: Enter the name of the organization or person who has custody of the photographs.
- IV-03 Maps: Check the appropriate box to indicate that maps of the site area have been prepared or obtained.
- IV-04 Location of Maps: If site maps are available, indicate their location, e.g., Region 1 Air and Hazardous Materials Division.
- V. Other Field Data Collected: Provide a narrative description of any other field data collected.

VI. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 7 Owner Information

- \*I. Identification: Refer to Part 1-1.
- II. Current Owner(s) Parent Company: Current owner(s) and parent companies, for those owners which are companies partly or wholly owned by another company, provide locator information about responsible parties. Each Part 7 provides space for four (4) current owners and their respective parent companies. If additional space is required, complete another Part 7.
  - II-01 Name: Enter the legal name of the owner of the site. The owner may be a firm, government agency, association, individual, etc.
  - II-02 D&B Number: Where available, enter the owner's D&B (Dun and Bradstreet) number. If the current owner is a federal agency, enter the GSA identification code.
  - II-03 Street Address: Enter the business, mailing, or residential street address of the owner.
  - II-04 SIC Code: If applicable, enter the owner's primary SIC Code.
  - 11-05 City: Enter the city of the owner's business, mailing, or residential address.
  - II-06 State: Enter the two character alpha FIPS code for the state of the owner's business, mailing, or residential address.
  - 11-07 Zip Code: Enter the five digit zip code for the owner's business, mailing, or residential address.
  - II-08 Name: If the owner is a partly or wholly owned subsidiary of another company, enter the legal name of the owner's parent company.
  - 11-09 D&B Number: Enter the parent company's Dun and Bradstreet number.
  - 11-10 Street Address: Enter the business or mailing street address of the parent company.
  - II-11 SIC Code: If applicable, enter the parent company's primary SIC code.
  - II-12 City: Enter the city of the parent company's business or mailing address.
  - II-13 State: Enter the two character alpha FIPS code for the state of the parent company's business or mailing address.
  - II-14 Zip Code: Enter the five digit zip code for the parent company's business or mailing address.
- III. Previous Owner(s): List previous owners in reverse chronological order, i.e., most recent first. If additional space is required, complete another Part 7.
  - III-01 Name: Enter the legal name of the previous owner. The previous owner may have been a firm, government agency, association, individual, etc.

- III-02 D&B Number: Enter the previous owner's Dun and Bradstreet number if available. If the previous owner was a federal agency, enter the GSA identification code if available.
- III-03 Street Address: Enter the business, mailing, or residential street address of the previous owner.
- III-04 SIC Code: If applicable, enter the primary SIC Code of the previous owner.
- 111-05 City: Enter the city of the previous owner's business, mailing, or residential address.
- 111-06 State: Enter the two character alpha FIPS code for the state of the previous owner's business, mailing, or residential address.
- 111-07 Zip Code: Enter the zip code of the previous owner's business, mailing, or residential address.
- IV. Realty Owner(s): Realty owner applies when the owner leased to another entity property which was used for the storage or disposal of hazardous waste. List current or most recent first.
  - IV-01 Name: Enter the legal name of the realty owner. The realty owner may be a firm, government agency, association, individual, etc.
  - IV-02 D&B Number: Enter the previous owner's Dun and Bradstreet number if available. If the previous owner was a federal agency, enter the GSA identification code if available.
  - IV-03 Street Address: Enter the realty owner's business, mailing, or residential street address.
  - IV-04 SIC Code: If applicable, enter the realty owner's primary SIC Code.
  - IV-05 City: Enter the city of the realty owner's business, mailing, or residential address.
  - IV-06 State: Enter the two character alpha FIPS code for the state of the realty owner's business, mailing, or residential address.
  - IV-07 Zip Code: Enter the zip code of the realty owner's business, mailing, or residential address.
- V. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 8 Operator Information

- \*I. Identification: Refer to Part 1-1.
- Current Operator—Operator's Parent Company: Information on operators is applicable when the operator is not the owner.
  - 11-01 Name: Enter the legal name of the operator. The operator may be a firm, government agency, association, individual, etc.
  - 11-02 D&B Number: Enter the operator's Dun and Bradstreet number if available. If the operator is a federal agency, enter the GSA identification code if available.

- II-03 Street Address: Enter the operator's business, mailing, or residential street address.
- II-04 SIC Code: If applicable, enter the operator's primary SIC Code.
- II-05 City: Enter the city of the operator's business, mailing, or residential address.
- II-06 State: Enter the two character alpha FIPS code for the state of the operator's business, mailing, or residential address.
- 11-07 Zip Code: Enter the zip code of the operator's business, mailing, or residential address.
- 11-08 Years of Operation: Enter the beginning and ending years (or beginning only if operations are on-going), e.g., 1932/1948, of operation at the site.
- II-09 Name of Owner: Enter the name of the owner for the period cited for this operator.
- 11-10 Name: If applicable, enter the legal name of the operator's parent company.
- II-11 D&B Number: Enter the operator's parent company Dun and Bradstreet number if available.
- II-12 Street Address: Enter the operator's parent company business, mailing, or residential street address.
- 11-13 SIC Code: If applicable, enter the operator's parent company primary SIC Code.
- II-14 City: Enter the city of the operator's parent company business, mailing, or residential address.
- II-15 State: Enter the two character alpha FIPS code for the state of the operator's parent company business, mailing, or residential address.
- II-16 Zip Code: Enter the zip code of the operator's parent company business, mailing, or residential address.
- III. Previous Operator(s)—Previous Operators' Parent Companies
  - III-01 Name: Enter the legal name of the previous operator. The previous operator may be a firm, government agency, association, individual, etc.
  - III-02 D&B Number: Enter the previous operator's Dun and Bradstreet number if available. If the previous operator was a federal agency, enter the GSA identification code if available.
  - 111-03 Street Address: Enter the previous operator's business, mailing, or residential street address.
  - 111-04 SIC Code: If applicable, enter the previous operator's primary SIC Code.
  - III-05 City: Enter the city of the previous operator's business, mailing, or residential address.
  - 111-06 State: Enter the two character alpha FIPS code for the state of the previous operator's business, mailing, or residential address.
  - III-07 Zip Code: Enter the zip code of the previous operator's business, mailing, or residential address.
  - III-08 Years of Operation: Enter the beginning and ending years of operation for this operator at the site.
  - III-09 Name of Owner: Enter the name of the owner for the period cited for this operator.

- III-10 Name: If applicable, enter the legal name of the previous operator's parent company.
- III-11 D&B Number: Enter the previous operator's parent company Dun and Bradstreet number if available.
- III-12 Street Address: Enter the previous operator's parent company business, mailing, or residential street address.
- III-13 SIC Code: If applicable, enter the previous operator's parent company primary SIC Code.
- III-14 City: Enter the city of the previous operator's parent company business, mailing, or residential address.
- III-15 State: Enter the two character alpha FIPS code for the state of the previous operator's parent company business, mailing, or residential address.
- 111-16 Zip Code: Enter the zip code of the previous operator's parent company business, mailing, or residential address.
- IV. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 9 Generator/Transporter Information

- \*I. Identification: Refer to Part 1-1,
- On-Site Generator: A company or agency, located within the contiguous area of the site and generating waste disposed on the site, is entered here.
  - 11-01 Name: If there is an on-site generator, enter the legal name of the on-site generator. The on-site generator may be a firm or government agency.
  - 11-02 D&B Number: Where available, enter the on-site generator's D&B (Dun and Bradstreet) number. If the on-site generator is a federal agency, enter the GSA identification code.
  - II-03 Street Address: Enter the business or mailing street address of the on-site generator.
  - II-04 SIC Code: If applicable, enter the on-site generator's primary SIC Code.
  - II-05 City: Enter the city of the on-site generator's business or mailing address.
  - 11-06 State: Enter the two character alpha FIPS code for the state of the on-site generator's business or mailing address.
  - 11-07 Zip Code: Enter the five digit zip code for the onsite generator's business or mailing address.
- 111. Off-Site Generator(e): These companies or agencies off-site who have generated waite which has been disposed at the site are listed lines.
  - Name: Enter the legal name of the off-site generator. The off-site generator may be a firm or government agency.
  - 111-62 D&B Number: Where available, enter the off-site generator's D&B (Dun and Bradselfst) number. If the off-site generator is a federal agency, enter the GSA identification code.

- III-03 Street Address: Enter the business or mailing street address of the off-site generator.
- 111-04 SIC Code: If applicable, enter the off-site generator's primary SIC Code.
- III-05 City: Enter the city of the off-site generator's business or mailing address.
- 111-06 State: Enter the two character alpha FIPS code for the state of the off-site generator's business or mailing address.
- 111-07 Zip Code: Enter the five digit zip code for the offsite generator's business or mailing address.
- IV. Transporter(s): Those carriers who are known to have transported waste to the site are listed here.
  - IV-01 Name: Enter the legal name of the transporter. The transporter may be a firm, government agency, association, individual, etc.
  - IV-02 D&B Number: Where available, enter the transporter's D&B (Dun and Bradstreet) number. If the transporter is a federal agency, enter the GSA identification code.
  - IV-03 Street Address: Enter the business, mailing, or residential street address of the transporter.
  - IV-04 SIC Code: If applicable, enter the transporter's primary SIC Code.
  - IV-05 City: Enter the city of the transporter's business, mailing, or residential address.
  - IV-06 State: Enter the two character alpha FIPS code for the state of the transporter's business, mailing, or residential address.
  - IV-07 Zip Code: Enter the five digit zip code for the transporter's business, mailing, or residential address.
- V. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 10 Past Response Activities

- \*I. Identification: Refer to Part 1-1.
- II. Past Response Activities

· · · · · ·

- 11-01 Past Response Activities: Check the appropriate box(es) to indicate response activities initiated prior to the passage of CERCLA, December, 1980.
- 11-02 Date: Enter the start date (or approximate date) of the activity.
- 11-03 Agency: Enter the name of the Agency responsible for the activity.
- 11-04 Description: Provide a brief nerrative description of the activity.
  - Sources or Impermetton: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the size.

#### SITE INSPECTION REPORT

111.

#### Part 11 Enforcement Information

I. Identification: Refer to Part 1—I.

#### II. Enforcement Information

- 11-01 Past Regulatory/Enforcement Action: Check the appropriate box to indicate past regulatory or enforcement action at the federal, state, or local level related to this site.
- 11-02 Description of Federal, State, Local Regulatory or Enforcement Action: Provide a narrative description

of regulatory or enforcement action to date. Do not include any enforcement action contemplated in the process of development.

Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### **APPENDIX**

CAS Number	Chemical Name	CAS Number	Chemical Name	CAS Number	Chemical Name
1. 7664-41-7	Ammonia	14. 1317-38-0	Cupric Oxide	27. 7778-50-9	Potassium Dichromat
2. 7440-36-0	Antimony	15. 7758-98-7	Cupric Sulfate	28, 1310-58-3	Potassium Hydroxide
3. 1309-64-4	Antimony Trioxide	16. 1317-39-1	Cuprous Oxide	29. 115-07-1	Propylene
4. 7440-38-2	Arsenic	17, 74-85-1	Ethylene	30. 10588-01-9	Sodium Dichromate
5. 1327-53-3	Arsenic Trioxide	18. 7647-01-0	Hydrochloric Acid	31. 1310-73-2	Sodium Hydroxide
6. 21109-95-5	Berium Sulfide	19. 7664-39-3	Hydrogen Fluoride	32. 7646-78-8	Stannic Chloride
7. 7726-95-6	Bromine	20, 1335-25-7	Lead Oxide	33. 7772-99-8	Stennous Chloride
8. 106-99-0	Butadiene	21.7439-97-6	Mercury	34. 7664-93-9	Sulfuric Acid
9. 7440-43-9	Cadmium	22, 74-82-8	Methane	35. 108-88-3	Toluene
0. 7782-50-5	Chlorine	23. 91-20-3	Napthalene	36. 1330-20-7	Xylene
1. 12737-27-8	Chromite	24. 7440-02-0	Nickel	37. 7646-85-7	Zinc Chloride
2. 7440-47-3	Chromium	25. 7697-37-2	Nitric Acid	38. 7733-02-0	Zinc Sulfate
3. 7440-48-4	Cobelt	26, 7723-14-0	Phosphorus		

#### II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name	CAS Number	Chemical Name	CAS Number	Chemical Name
1, 75-07-0	Acetaldehyde	47, 1303-33-9	Arsenic Trisulfide	92, 142-71-2	Cupric Acetate
2. 64-19-7	Acetic Acid	48. 542-62-1	Barium Cyanide	93. 12002-03-8	Cupric Acetoersenite
3. 108-24-7	Acetic Anhydride	49. 71-43-2	Benzene	94.7447-39-4	Cupric Chloride
4. 75-86-5	Acetone Cyanohydrin	50. 65-85-0	Benzoic Acid	95. 3251-23-8	Cupric Nitrate
5. 506-96-7	Acetyl Bromide	51. 100-47-0	Benzonitrile	96, 5893-66-3	Cupric Oxalate
6, 75-36-5	Acetyl Chloride	52. 98-88-4	Benzoyl Chloride	97, 7758-98-7	Cupric Sulfate
7. 107-02-8	Acrolein	53. 100-44-7	Benzyl Chloride	98, 10380-29-7	Cupric Sulfate Ammoniated
8, 107-13-1	Acrylonitrile	54. 7440-41-7	Beryllium	99. 815-82-7	Cupric Tartrate
9, 124-04-9	Adipic Acid	55. 7787-47-5	Beryllium Chloride	100, 506-77-4	Cyanogen Chloride
10. 309-00-2	Aldrin	56. 7787-49-7	Beryllium Fluoride	101, 110-82-7	Cyclohexane
11, 10043-01-3	Aluminum Sulfate	57. 13597-99-4	Beryllium Nitrate	102.94-75-7	2.4-D Acid
12, 107-18-6	Allyl Alcohol	58. 123-86-4	Butyl Acetate	103, 94-11-1	2.4-D Esters
13, 107-05-1	Allyl Chloride	59. 84-74-2	n-Butyl Phthalate	104, 50-29-3	DDT
14. 7664-41-7	Ammonia	60. 109-73-9	Butylamine	105, 333-41-5	Diazinon
15. 631-61-8	Ammonium Acetate	61, 107-92-6	Butyric Acid	106, 1918-00-9	Dicamba
16, 1863-63-4	Ammonium Benzoete	62. 543-90-8	Cadimium Acetate .	107, 1194-65-6	Dichlobenil
17. 1066-33-7	Ammonium Bicarbonate	63. 7789-42-6	Cadmium Bromide	108, 117-80-6	Dichlone
18, 7789-09-5	Ammonium Bichromate	64. 10108-64-2	Cedmium Chloride	109, 25321-22-6	Dichlorobenzene (all isomers)
19. 1341-49-7	Ammonium Bifluoride	65. 7778-44-1	Calcium Arsenate	110. 266-38-19-7	Dichloropropene (all isomers)
20. 10192-30-0	Ammonium Bisulfite	66. 52740-16-6	Calcium Arsenite	111. 26952-23-8	Dichloropropene (all isomers)
21. 1111-78-0	Ammonium Cerbemete	67. 75-20-7	Calcium Carbide	112, 8003-19-8	Dichloropropene-
22. 12125-02-9	Ammonium Chloride	68. 13765-19-0	Calcium Chromate		Dichloropropene Mixture
23. 7788-98-9	Ammonium Chromate	69. 592-01-8	Calcium Cyanide	113, 75-99-0	2-2-Dichloropropionic Acid
24. 3012-65-5	Ammonium Citrate, Dibesic	70. 26264-06-2	Calcium Dodecylbenzene	114, 62-73-7	Dichloryos
25. 13826-83-0	Ammonium Fluoborate		Sulfonete	115, 60-57-1	Dieldrin
26. 12125-01-8	Ammonium Fluoride	71, 7778-54-3	Calcium Hypochlorite	116, 109-89-7	Diethylamine
27. 1336-21-6	Ammonium Hydroxide	72. 133-06-2	Captan	117, 124-40-3	Dimethylamine
28. 6009-70-7	Ammonium Oxalate	73. 63-25-2	Carbaryl	118. 25154-54-5	Dinitrobenzene (all isomers)
29. 16919-19-0	Ammonium Silicofluoride	74. 1563-66-2	Carbofuran	119.51-28-5	Dinitrophenol
30. 7773-06-0	Ammonium Sulfamete	75. 75-15-0	Carbon Disulfide	120, 25321-14-6	Dinitrotoluene (all isomers)
31. 12135-76-1	Ammonium Sulfide	76. 56-23-5	Carbon Tetrachloride	121.85-00-7	Diquet
32. 10196-04-0	Ammonium Sulfite	77. 57-74 <del>-0</del>	Chlordene	122, 298-04-4	Disulfoton
33. 14307-43-8	Ammonium Tertrate	78. 7782-50-5	Chlorine	123, 330-54-1	Diuron
34. 1762-95-4	Ammonium Thiocyanate	79. 108-90-7	Chlorobenzene	124. 27176-87-0	Dodecylbenzenesulfonic Acid
35. 7783-18-8	Ammonium Thiosulfate	80. 67-86-3	Chloroform	125, 115-29-7	Endosulfan (all isomers)
36. 628-63-7	Amyl Acetate	81,7790-94-5	Chlorosulfonic Acid	126, 72-20-8	Endrin and Metabolites
37. 62-53-3	Aniline	82, 2921-88-2	Chlorpyrifos	127, 106-89-8	Epichlorohydrin
38. 7647-18-9	Antimony Pentachloride	83, 1066-30-4	Chromic Acetate	128, 563-12-2	Ethion
39. 7789-61-9	Antimony Tribromide	84, 7738-94-5	Chromic Acid	129, 100-41-4	Ethyl Benzene
40. 10025-91-9	Antimony Trichloride	85, 10101-53-8	Chromic Sulfate	130, 107-15-3	Ethylenediamine
41.7783-56-4	Antimony Trifluoride	86, 10049-05-5	Chromous Chloride	131, 106-93-4	Ethylene Dibromide
42. 1309-84-4	Antimony Trioxide	87, 544-18-3	Cobeltous Formate	132, 107-06-2	Ethylene Dichloride
43. 1303-32-8	Arsenic Disulfide	88, 14017-41-5	Cobeltous Sulfamete	133, 60-00-4	EDTA
44. 1303-28-2	Arsenic Pentoxide	89. 56-72-4	Couranhos	134, 1185-57-5	Ferric Ammonium Citrate
45. 7784-34-1	Arsenic Trichloride	90. 1319-77-3	Cresol	135, 2944-67-4	Ferric Ammonium Oxelate
46. 1327-53-3	Arsenic Trioxide	91.4170-30-3	Crotoneldehyde	136, 7705-08-0	Ferric Chloride
				.50.7700000	Torric Ciliorios

### II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name	CAS Number	Chemical Name	CAS Number	Chemical Name
137. 7783-50-8	Ferric Fluoride	192. 74-89-5	A	i	- The state of the
138. 10421-48-4		193. 300-76-5	Monomethylamine	249. 7632-00-0	Sodium Nitrate
139. 10028-22-5	Ferric Sulfate	194. 91-20-3	Naled	250. 7558-79-4	Sodium Phosphate, Dibesic
140. 10045-89-3		195. 1338-24-5	Naphthalene	251. 7601-54-9	Sodium Phosphate, Tribasic
141. 7758-94-3	Ferrous Chloride	196. 7440-02-0	Naphthenic Acid	252. 10102-18-8	Sodium Selenite
142. 7720-78-7	Ferrous Sulfate	197. 15699-18-0	Nickel	253. 7789-06-2	Strontium Chromate
143. 206-44-0	Fluoranthene	198. 37211-05-5	The state of the s	254. 57-24-9	Strychnine and Salts
144. 50-00-0	Formaldehyde	199. 12064-48-7		255. 100-420-6	Styrene
145. 64-18-6	Formic Acid	200. 14216-75-2		256. 12771-08-3	
146. 110-17-8	Fumaric Acid	201. 7786-81-4	Nickel Sulfate	257. 7664-93-9	Sulfuric Acid
147. 98-01-1	Furfural	202. 7697-37-2	Nitric Acid	258. 93-76-5	2,4,5-T Acid
148.86-50-0	Guthion	203. 98-95-3	Nitrobenzene	259. 2008-46-0 260. 93-79-8	2,4,5-T Amines
149. 76-44-8	Heptachlor	204. 10102-44-0	Nitrogen Dioxide	261. 13560-99-1	2,4,5-T Esters
150. 118-74-1	Hexachlorobenzene	205. 25154-55-6	Nitrophenol (all isomers)	262. 93-72-1	-/ -/
151.87-68-3	Hexachlorobutadiene	206. 1321-12-6	Nitrotoluene	263. 32534-95-5	2,4,5-TP Acid 2,4,5-TP Acid Esters
152.67-72-1	Hexachloroethane	207. 30525-89-4	Paraformaldehyde	264. 72-54-8	TDE
153. 70-30-4	Hexachlorophene	208. 56-38-2	Parathion	265. 95-94-3	Tetrachlorobenzene
154. 77-47-4	Hexachlorocyclopentadiene	209. 608-93-5	Pentachlorobenzene	266, 127-18-4	Tetrachioroethane
155. 7 <del>64</del> 7-01-0	Hydrochloric Acid	210, 87-86-5	Pentachlorophenol	267. 78-00-2	Tetraethyl Lead
	(Hydrogen Chloride)	211. 85-01-8	Phenanthrene	268, 107-49-3	Tetraethyl Pyrophosphate
156. 7664-39-3	Hydrofluoric Acid	212. 108-95-2	Phenol	269. 7446-18-6	Thallium (I) Sulfate
	(Hydrogen Fluoride)	213. 75-44-6	Phosgene	270. 108-88-3	Toluene
157. 74-90-8	Hydrogen Cyanide	214. 7664-38-2	Phosphoric Acid	271.8001-35-2	Toxaphene
158. 7783-06-4	Hydrogen Sulfide	215. 7723-14-0	Phosphorus	272, 12002-48-1	Trichlorobenzene (all isomers)
159. 78-79-5	Isoprene	218. 10025-87-3	Phosphorus Oxychloride	273. 52-68-6	Trichlorfon
160. 42504-46-1	Isopropenolemine	217. 1314-80-3	Phosphorus Pentasulfide	274. 25323-89-1	Trichloroethane (all isomers)
	Dodecylbenzenesulfonate	218. 7719-12-2	Phosphorus Trichloride	275. 79-01-6	Trichloroethylene
161. 115-32-2	Keithane	219. 7784-41-0	Potassium Arsenate	276, 25167-82-2	
162. 143-50-0	Kepone	220. 10124-50-2	Potassium Arsenite	277. 27323-41-7	
163. 301-04-2	Lead Acetate	221. 7778-50-9	Potassium Bichromate		Dodecylbenzenesulfonate
164. 3687-31-8	Lead Arsenate	222. 7789-00-6	Potassium Chromate	278, 121-44-8	Triethylamine
165. 7758-95-4	Lead Chloride	223. 7722-64-7	Potassium Permanganate	279. 75-50-3	Trimethylamine
1 13814-96-5	Lead Fluoborate	224. 2312-35-8	Propergite	280, 541-09-3	Uranyl Acetate
7783-46-2	Lead Fluoride	225. 79-09-4	Propionic Acid	281, 10102-06-4	Uranyl Nitrate
168. 10101-63-0	Lead Iodide	226. 123-62-6	Propionic Anhydride	282, 1314-62-1	Vanadium Pentoxide
169. 18256-98-9	Lead Nitrate	227. 1336-38-3	Polychlorinated Biphenyls	283. 27774-13-6	Vanadyl Sulfate
170. 7428-48-0	Lead Steerate	228. 151-50-8	Potassium Cyanide	284. 108-06-4	Vinyl Acetate
171. 15739-80-7	Lead Sulfate	229. 1310-58-3	Potassium Hydroxide	285. 75-35-4	Vinylidene Chloride
172. 1314-87-0	Lead Sulfide	230. 75-56-9	Propylene Oxide	286. 1300-71-6	Xylenol
173. 592-87-0	Lead Thiocyanate	231, 121-29-9	Pyrethrins	287.557-34-6	Zinc Acetate
174. 58-89-9	Lindane	232. 91-22-5	Quinoline	288. 52628-25-8	Zinc Ammonium Chloride
175, 14307-35-8	Lithium Chromate	233. 108-46-3	Resorcinol	289. 1332-07-6	Zinc Borate
176. 121-75-5	Malthion	234. 7446-08-4	Selenium Oxide	290. 7699-45-8	Zinc Bromide
177. 110-16-7	Maleic Acid	235. 7761-88-8	Silver Nitrate	291.3486-35-9	Zinc Carbonate
178. 108-31-6	Maleic Anhydride	236. 7631-89-2	Sodium Arsenate		Zinc Chloride
179. 2032-65-7	Mercaptodimethur	237. 7784-48-5	Sodium Arsenite	293.557-21-1	Zinc Cyanide
180. 592-04-1	Mercuric Cyanide	238. 10588-01-9	Sodium Bichromete		Zinc Fluoride
181. 10045-94-0 182. 7783-35-9	Mercuric Nitrate	239. 1333-83-1	Sodium Bifluoride	295. 557-41-5	Zinc Formate
183. 592-85-8	Mercuric Sulfate	240. 7631-90-5	Sodium Bisulfite		Zinc Hydrosulfite
	Mercuric Thiocyanate	241. 7775-11-3	Sodium Chromate		Zinc Nitrata
184. 10415-75-5 185. 72-43-5	Mercurous Nitrate	242, 143-33-9	Sodium Cyanide		Zinc Phenolsulfonate
186. 74-93-1	Methoxychlor	243. 25155-30-0	Sodium Dodecylbenzene		Zinc Phosphide
187. 80-62-6	Methyl Mercaptan		Sulfonete	기계 보이 가 있다면 가게 되었다.	Zinc Silicofluoride
188. 298-00-0	Methyl Methacrylate	244. 7681-49-4	Sodium Fluoride		Zinc Sulfate
189. 7786-34-7	Methyl Parathion	245. 16721-80-5	Sodium Hydrosulfide		Zirconium Nitrate
190. 315-18-4	Mevinphos	246. 1310-73-2	Sodium Hydroxide		Zirconium Potassium Fluoride
191. 75-04-7	Mexacarbate	247. 7681-52-9	Sodium Hypochlorite		Zirconium Sulfate
.51.75-04-7	Monoethylamine	248. 124-41-4	Sodium Methylate	300. 10026-11-6	Zirconium Tetrachloride

#### **RECONNAISSANCE CHECKLIST FOR HRS2 CONCERNS**

Instructions:	Obtain as much	"up front"	information	as possible	prior to	conduct	ing fieldwork.
Complete the	form in as much d	letail as you	can, providi	ng attachme	nts as ne	cessary.	Cite the source
for all informa	ation obtained.						

Site name: Allied Products Bush Hog Division City, County, State: Schma, Dallas County, Alabama

EPAID No.: ALD 980559 199

Person responsible for form: Kerry Longsworth, NUS

Date: 3/30/88

#### Air Pathway

Describe any potential air emission sources onsite: Unknown. File information does not indicate whether any waste or contaminated Soil remains butter of whether any waste or contaminated Soil remains consite.

Identify any sensitive environments within 4 miles:

Wetlands are located to the east and southwest of the suctored topo.

Identify the maximally exposed individual (nearest residence or regularly occupied building workers do count): Employees at B&B Ceramics Shop, across to Bell Road from the site (Ref. 6).

Groundwater Pathway

Identify any areas of karst terrain: None (Ref. 5).

Identify additional population due to consideration of wells completed in overlying aquifers to the AOC: None have been identified (Refs. 7, 8).

Do significant targets exist between 3 and 4 miles from the site? No (Refs. 7,8,9,10).

Is the AOC a sole source aquifer according to Safe Drinking Water Act? (i.e. is the site located in Dade, Broward, Volusia, Putnam, or Flager County, Florida)

#### Surface Water Pathway

Are there intakes located on the extended 15-mile migration pathway? No (Ref. 7, 8).
Are there recreational areas, sensitive environments, or human food chain targets (fisheries) along
the extended pathway? Valley Creek and the Wabaina River are used for fishing and boating (Ref. 11).  Onsite Exposure Pathway
Onsite Exposure Pathway
Is there waste or contaminated soil onsite at 2 feet below land surface or higher? Unknown. Some removal has occurred, and hile unformation does not inclinate whether any waste or confaminated fact remains. Is the site accessible to non-employees (workers do not count)?  Yes, accessible to unrestricted (Ref. 6).
None of the above are located within close proximity?  Are there barriers to travel (e.g. a river) within and miles Ale
Are there barriers to travel (e.g., a river) within one mile? $M_{72}$

2. PROJECT MANAGEMENT SUM \_ "

Site Name: ALLIED PRODUCTS - BUSH HOG DIVISION
Site Number: <u>ALD980559199</u>
Owner: ALLIED PRODUCTS CORP
Operator: ALLIED PRODUCTS BUSH HOG DIVISION
Site Status: Active Inactive I Unknown
Priority:  High  Medium  None
3. FINAL DISPOSITION  1. EPS Final Review - Dats: 8/14/84  Comments:
Site Inspection Required // Yes /// No
II. ADIM Review - Date: 9/7/84 Som Comments:
Follow-up Action Required / Yes / No
III. Final Disposition:  Review & revise Date:  Elited & correct Date:  Transmittel Date:
File close-out Date:
Initiate size inspection Date:
4. ADDITIONAL COMMENTS (ONGDING & FINAL)

#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT EPS FORM 3012-111

### INDUSTRIAL NARRATIVE SHEET

### 1. Site Identification:

Site number: ALD980559199

Site name: ALLIED PRODUCTS BUSH HOG DIVISION

Site county: Dallas

### Industrial Narrative Summary:

Company Name: ALLIED PRODUCTS-BUSH HOG DIVISION

Address: P.O. Box 1039

Selma, Alabama 36701

Telephone No.: 205-872-6261

Contact: Russell Buster

Discussion: EPA ID# ALD980559199 identifies a superfund notification for a disposal area containing drums of waste paint. The drums are believed to have been disposed of during the early 1960's by BUSH HOG INC. This industry has been sold twice and is now Allied Products Bush Hog Division. The site was discovered in 1981. The disposal property was and still is owned by the former owners of Bush Hog. When the site was discovered Allied Products was required to properly clean the site and dispose of the material. A CERCLA notification was also filed. The waste was analyzed and found to be non-hazardous. The waste was removed from the site and placed in an approved landfill.

#### 3. Disposition:

The site did not contain hazardous waste and has been cleaned. No further action is required.

#### 4. Comments:

N/A

# POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT EPS FORM 3012-II

#### TELEPHONE LOG SHEET

1.	Site Identification:
	Site number: <u>ALD980559199</u>
	Site name: ALLIED PRODUCTS BUSH HOG DIVISION
2.	Interview Data: (Party called)
	Name: PUSSELL BUSTER
	Position: WICE PRESIDENT OPERATIONS
	Firm: ALLIED PRODUCTS BUSH HOG DIVISION
	Address: P.O. 1039
	SEC. MA, AL 36701
	Telephone No.: (205) 872-6261
3.	EPS Analyst Data:
	Name: STEVEN M. HORNUNG
	Purpose of call: OBTAIN INFORMATION FOR P.A.
	Object to the Object of the Ob
	Form 2070-12 (7-81) P.N. PART 1
	Date of call: TUES AUG 14, 1984
	7003 HOUT, ITSE
4.	Interview Narrative Summary: THE PROPERTY ON BELL ROAD WAS OWNED
84	THE FORMER OWNERS OF THE MANUFACTURING PLANT. IT WAS
85	ASICALLY INVESTMENT PROPERTY. THEY USED TO DISPOSE OF THEIR
	ASTE ON THIS PROPERTY. THE PLANT WAS SUID AND THEN RESULD
	PRILIED PRODUCTS IN THE LATE 1960'S. THE DRIED WASTE
	GINT WAS FOUND TO BE NON-HAZARDOUS. THE MATERIAL WAS
	EMOUED AND THE OPERATION WAS APPROVED BY ADEM (ALOT)
	- THE WASTE WAS LANDFILLED. SOME WAS SENT TO CHEM
u	
	ASTE MANAGEMENT BEFORE IT WAS DETERMINED TO BE NON-
de	ASTE MANAGEMENT BEFORE IT WAS DETERMINED TO BE NON-
K	ASTE MANAGEMENT BEFORE IT WAS DETERMINED TO BE NON- APARPOUS. THE AREA WAS ABOUT 40 ACRES OF PROPERTY. SOME AS SINCE BEEN DEVELOPED. THEIR WASTE IS CURRENTLY SENT
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K	ASTE MANAGEMENT BEFORE IT WAS DETERMINED TO BE NON- APARPOUS. THE AREA WAS ABOUT 40 ACRES OF PROPERTY. SOME AS SINCE BEEN DEVELOPED. THEIR WASTE IS CURRENTLY SENT
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# FU	ASTE MANAGEMENT BEFORE IT WAS DETERMINED TO BE NON- APARPOUS. THE AREA WAS ABOUT 40 ACRES OF PROPERTY. SOME LAS SINCE BEEN DEVELOPED. THEIR WASTE IS CURRENTLY SENT OF CHEM. WASTE MANAGEMENT.
# FU	ASTE MANAGEMENT BEFORE IT WAS DETERMINED TO BE NON- HARRYDOUS. THE AREA WAS ABOUT 40 ACRES OF PROPERTY. SOME HAS SINCE BEEN DEVELOPED. THEIR WASTE IS CURRENTLY SENT O CHEM. WASTE MANAGEMENT.
# FU	ASTE MANAGEMENT BEFORE IT WAS DETERMINED TO BE NON- APARPOUS. THE AREA WAS ABOUT 40 ACRES OF PROPERTY. SOME LAS SINCE BEEN DEVELOPED. THEIR WASTE IS CURRENTLY SENT OF CHEM. WASTE MANAGEMENT.
# FU	Disposition/Comments:
# FU	ASTE MANAGEMENT BEFORE IT WAS DETERMINED TO BE NON- APARPOUS. THE AREA WAS ABOUT 40 ACRES OF PROPERTY. SOME LAS SINCE BEEN DEVELOPED. THEIR WASTE IS CURRENTLY SENT OF CHEM. WASTE MANAGEMENT.
# FU	Disposition/Comments:
5.	PASTE MANHGEMENT BEFORE IT WAS DETERMINED TO BE NON- PARAPPOUS. THE AREA WAS ABOUT 40 ACRES OF PROPERTY. SOME PAS SINCE BEEN DEVELOPED. THEIR WASTE IS CURRENTLY SENT TO CHEM. WASTE MANAGEMENT.  Disposition/Comments:
# FU	Disposition/Comments:  Comments: Any additional sites used by this company?
5.	Disposition/Comments:    Comments: Any additional sites used by this company?   Location:   Dates of West   Dates   Dates of West   Dates   Da
5.	Disposition/Comments:    Comments: Any additional sites used by this company?
5.	Disposition/Comments:    Comments: Any additional sites used by this company?   Location:   Dates of West   Dates   Dates of West   Dates   Da
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5.	Disposition/Comments:    Comments: Any additional sites used by this company?
5.	Disposition/Comments:    Comments:   Any additional sites used by this company?

## ENVIRONMENTAL PROTECTION SYSTEMS, INC. Alabama RCRA 3012 Site Ranking Scheme EPS Form 3012-V

Site Name <u>ALCIEP PRODUCTS</u>. BUSH HUG DIV. Site Number <u>ALD9805591</u>99

Preliminary Assessment Ranking Scheme to Determine Which Sites Merit Further Action.

(Select one answer for each of the following seven questions)

1.	Are Hazardous Substances Present? A. Confirmed on site! B. Suspected at site! C. It is unknown! D. No hazardous substances E. RCRA facility only!	10 points 5 points 2 points 0 points 0 points
2.	Is There a Pollution Dispersal Pathway?  A. Direct to surface and/or groundwater.  B. Indirect to surface and/or groundwater.  C. Suspected to surface and/or groundwater.  D. Not known for sure.  E. No pathway.	5 points 4 points 3 points 2 points 0 points
3.	Characteristics of Human Population? A. High density. B. Medium density. C. Low density. D. No population.	5 points 4 points 3 points 2 points
4.	Characteristics of Natural Environment?  A. Critical habitat including endangered species, etc.  B. Sensitive habitat.  C. Common less sensitive habitat.	5 points 3 points 2 points
5.	How is Human Population Affected By Site?  A. Public utility of drinking water from site.  B. Direct public access to site.  C. Public access to affected surface water.  D. Only potential for human population contact.  E. Low or no potential for contact.	5 points 4 points 3 points 2 points 1 point
6.	Facility Management Practices at Site?  A. Site actively supervised and managed currently with monitoring reports and other permit and report requirements.  B. Site inadequately managed records not up-to-date.	1 point 3 points

	С.	Site not currently managed or regulated.	4 points	V
	D.	Abandon site.	5 points	
7.	0	ential Responsible Parties for Site perations?		
	Α.	Controlling party identified and accepts responsibility for site.	1 point	V
	В.		4 points	
	С.	No responsible party available.	5 points	
Ran	king	Score =		
	0	$x = \begin{bmatrix} x & y & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y & y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y & y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y \\ y \\ y \end{bmatrix} + \begin{bmatrix} x & y $	A +	$\Box$

TABLE 1. Ranking Assessment

NUMERICAL RANGE	PRIORITY ASSESSMENT		
0-50 50-150 150-300 300-450	NONE LOW MEDIUM HIGH	١, `	9.

Ranking Score:

Priority Assessment: NONE

## POTENTIAL HAZARDOUS WASTE S' PRELIMINARY ASSESSMENT -EPS FORM 3012-I EPS ANALYST/REVIEWER CHECKLIST

Site No. AL D980559199 Site Name ALLIED PROPUCTS BUSH HOG DIVISION

Instructions:

To be used in conjunction with EPA Form 2070-12 (7-81). Attach on inside front of

site folder. Initial and date for all assessment entries under appropriate part/subpart as completed. initial/date in black for final assessment; in red if

higher level (additional) assessment is in order. Follow same procedure for

review process.

Review Codes: 1-Toxicology Review; 2-Chemical Review; 3-Ecology Review; 4-Chemical Engineer

Review; 5-Geotechnical Review; 6-Project Manager Review; 7-Final Review

Form 2070	Applicat (		1. ANALY	ST/REVIEW	STATUS			
Part Number	Analyst/ Date	Review Code 1	Review Code 2	Review	Review	Review	Review	Review
1.IVI.		oode 1	code 2	Code 3	Code 4	Code 5	Code 6	Code 7
	82,24/8-14-84				1	1	Gen 18114	Shw 8/14
2.1.				1		<del> </del>	TWO STILL	July 1
2.11.						<del> </del>	<del> </del>	
2.111.				1		1	<del> </del>	
2.IV.						1	<del> </del>	
2.V.					1		<b> </b>	
2.VI.	222/8-14-84						Mu 18114	JUW 8/14
		JA-04-51/20 - 14:14					7100-111	0 /
3.1.							_	
3.II.A								
3.II.B								
3.I1.C		\$ 1.520						
G.11.E								
3.11.E			, , , , , , , , , , , , , , , , , , , ,					
3.11.F								
3.II.G								
3.II.H								
3.11.1								
3.II.J			7					
3.II.K								
3.II.L		_						
3.11.M								
3.11.N								
3.11.0								
3.II.P		2.0						
3.111.								
3.IV.								
3.V.								

'No further assessment/review required, enter NA

## **ŞEPA**

# POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT

1. IDENTIFICATION

OF STATE OZ SITE NUMBER

AL D 980559199

PART 1 - SITE INFORMATION AND ASSESSMENT							
II. SITE NAME AND LOCATION							
01 SITE NAME (Legal, common, or descriptive name of alte)		2 STREET, ROUTE NO . OR	SPECIFIC LOCATION IDENTIFIER				
ALLIED PRODUCTS BUSH HOG DIVIS		BELL RE					
03 CITY		4 STATE 05 ZIP CODE		O7COUNTY 08 CONG CODE DIST			
SELMA		AL 36701	DALLAS	047 07			
09 COORDINATES LATITUDE LONGIT							
10 DIRECTIONS TO SITE (Starting from nearest public road)  AT CURNER OF HWY 80 AN  INN MOTEC.	ND BELL RI	DAD. ACROS	S FROM THE	HOLIDAY			
III. RESPONSIBLE PARTIES							
ALLIED PRODUCTS CORP		10 5. RIVER	SIDE PLAZA				
CHICAGO	1	14 STATE 05 71P CODE 14 60606					
07 OPERATOR IT known and different from number ALLIED PRODUCTS- BUSH HOG DIVI	501 504 50400	P. O. BOX					
OB CITY  SELMA	1	OSTATE 11 ZIP CODE  AL 36701					
13 TYPE OF OWNERSHIP (Chack one)  R. A. PRIVATE [] B. FEDERAL.  [Seecity]	(Agency name)		TE LID COUNTY EVE MU NOWN	NICIPAL			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all their apply)  L.I. A. RCRA 3001 DATE RECEIVED:  MONTH DAY YEAR	B UNCONTROLLE	D WASTE SITE ICERCLA IS	DATE RECEIVED.	1 81 LIC NONE			
IV. CHARACTERIZATION OF POTENTIAL HAZARD							
NO DATE 5 / 8/ A EP		CONTRACTOR PICTURE CONTRACTOR		CONTRACTOR			
DE STE STATUS ICRECA ONE.  13 A. ACTIVE IN STANCTIVE FEC UNKNOWN	OJ YEARS OF OPERA		G YEAR	N			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  Prums of Pried Paint Waste IN A VACANT LOT							
OS DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION  SITE HAS BEEN CLEHNED. WASTE WAS DETERMINED TO BE  NON-HAZARDOUS.							
V. PRIORITY ASSESSMENT				A			
O1 PRIORITY FOR INSPECTION (Check one if high or medium is checked, for A HIGH Chapter late required principly.  (Insper late required principly.  (Insper late required principly.	** C LOW (Inspection makes)	MD NO		Selecto Carell			
VI. INFORMATION AVAILABLE FROM							
OI CONTACT Som	02 OF Agency Court of	j19.		THE PHONE NUMBER			
STEVE MAURER	ADEM			(205)271-7728			
STEVEN M. HORNUNG	05 AGENCY	OF ORGANIZATION	1601 922 - 8242	08 DATE 8 14 84			
				MONTH DAY HAI			

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	PA

#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

I. IDENTIFICATION					
OI STATE	02 SITE NUMBER				

SEFA			PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION			01 STATE 02 SITE NUMBER 098055919	
IL WASTE ST.	ATES, QUANTITIES, A	ND CHARACTE					
01 PHYSICAL ST	ATES (Check at that apply)	02 WASTE QUA		Too waste Chapaci	EDISTICS		
A SOLID B POWDER C SLUDGE D OTHER	E SLURRY	TON.	es of waste quantities the independent! S	A TOXIC B CORRO C RADIOA D PFRSIS	CTIVE G FLAMM	LE I HIGHE IOUS J EXPLO ABLE K. REAC BLE L INCOM	TIVE
III. WASTE TY		NO OF DROMS	S				
CATEGORY				T			
SLU	SUBSTANCE I	IAME	01 GRUSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
OLW	OILY WASTE		+				
SOL	SOLVENTS		<del></del>				
PSD	PESTICIDES		+				
occ	OTHER ORGANIC CI	# NO.110					
IOC	INORGANIC CHEMIC						
ACD	ACIDS	MIS					
BAS	BASES		+				
MES	HEAVY METALS						
IV. HAZARDOI	US SUBSTANCES .See A			L			
DI CATEGORY	02 SUBSTANCE N		03 CAS NUMBER	0.0000000000000000000000000000000000000			T OA MEASURE OF
	01 00001111011		US CAS NUMBER	04 STORAGE DISE	OSAL METHOD	05 CONCENTRATION	CONCENTRATIO
			+				-
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			+				
V. FEEDSTOCH	(S (See Appendix for CAS Numbe	rsj					
CATEGORY	01 FEEDS FOCE	NAME	02 CAS NUMBER	CATEGORY	U1 FLEDSTOCK	CNAME	02 CAS NUMBER
FDS				FDS			
FDS				FDS			
FDS				+DS			
FDS				FDS			
I. SOURCES O	F INFORMATION ICHO	pecific references, e.g.	, state likes, sample analysis, re	ports )			
9DEM		FICE					
	TION WITH		STAFF				
VO ALUED	SATION WITH	W ALL	O Panada	TY - BUSH A	106 DIVISION	V REPRESE	NTATIVE
					-care - 500 - 140, Valo 1 (300,000,000,000,000,000)		
487 6	1983 GENER	ATOR R	FPORT				

## POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

SEPA PARTS		ARY ASSESSMENT ZARDOUS CONDITIONS AND INCIDENTS	AL D	980559199
IL HAZARDOUS CONDITIONS AND	INCIDENTS			
01 A GROUNDWATER CONTAMIN 03 POPULATION POTENTIALLY AFFE	ATION	02 - J OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL	□ ALLEGED
01 [] B. SURFACE WATER CONTAMI 03 POPULATION POTENTIALLY AFFE		02 G OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	D POTENTIAL	[] ALLEGED
01 CI C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFE	CCTED	02 :: OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	O POTENTIAL	C ALLEGED
01 T. D. FIRE/EXPLOSIVE CONDITION 03 POPULATION POTENTIALLY AFFE	NS CTED	02 C OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	17 POTENTIAL	1 ] ALLEGED
01 CJ E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFE	CTED.	02 OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	E1 POTENTIAL	ALLEGED
01 [] F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED.		02 U OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	1) POTENTIAL	() ALLEGED
01 [.] G DRINKING WATER CONTAM 03 POPULATION POTENTIALLY AFF	NATION ECTED:	02 L: OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	! ) POTENTIAL	1. ALLEGED
01 [] H WORKER EXPOSURE/INJUI 03 WORKERS POTENTIALLY AFFEC		02 () OBSERVED (DATE	() POTENTIAL	() ALLEGED
01 C.1. POPULATION EXPOSURE/INJ 03 POPULATION POTENTIALLY AFF		02: ) OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	[] POTENTIAL	ALLEGED

**€FPA** 

## POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION 01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)	AZARDOUS CONDITIONS AND INCIDENTS	8 22	D980559199
01 D J DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 - OBSERVED (DATE:)	☐ POTENTIAL	C) ALLEGED
01 D K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include name(s) of species)	02 D OBSERVED (DATE:)	□ POTENTIAL	□ ALLEGED
01 [] L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 🗆 OBSERVED (DATE:)	□ POTENTIAL	□ ALLEGED
01   M. UNSTABLE CONTAINMENT OF WASTES  (Spath/unoff/standing liquids/leaking drums)  03 POPULATION POTENTIALLY AFFECTED:	02 □ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	[] POTENTIAL	T: ALLEGED
01 [] N. DAMAGE TO OFFSITE PROPERTY D4 NARRATIVE DESCRIPTION	02 (3 OBSERVED (DATE:)	- POTENTIAL	□ ALLEGED
01   O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 04 NARRATIVE DESCRIPTION	02 C OBSERVED (DATE	☐ POTENTIAL	□ ALLEGED
01 D. P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 (] OBSERVED (DATE:)	D POTENTIAL	[] ALLEGED
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEG	IED HAZARDS		
III. TOTAL POPULATION POTENTIALLY AFFECTED:			
IV. COMMENTS			
V. SOURCES OF INFORMATION (CRe specific references + q. state files, sa	emple analysis (eporis)		

## LAND PROGRAM

## 19 83 Hazardous Waste Generators Annual Report

	ocation of Fac	Illty P.O. Box 1039, Gri	ffin Street	(Street or Route N	umber)			3
		lma Dallas	AL		36702		Egg.	90 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
C	Ity	County		State	ZIP Co	ode	\	BCLL
. ,	nstallation Cod	ntect Ward Warren			(205) 872-0	5261 one Number		
	\$7 							
. 0	uring 1983 #	e facility did 🔯 did not 🔲 ge	nerate reportable	amounts of hazardou	s waste. (If you	check did not, skip	to It	em VII.)
. W	aste identifica	rtion:						
-			0.4	D. Receiving	E. Receiving	F. Transporter	G	Transporter
ı	A. EPA	B. Waste Description	C. Amount of	D. Mecelving	L. Noce I villy	T. Hansporto.		
1	Waste Number		Waste (1bs)	Facility	Facility	Name		ID Number
	Waste Humber		Waste (lbs)		1D Number	Name		ID Number
00		Waste Sludge Liquid Paint Strip, Corrosive	Waste (1bs)	Facility Chem Waste Me Emelle Facil	ID Number	Name Bush-Hog	ALD	
00	Waste Humber	Waste Sludge Liquid Paint Strip, Corrosive Non-Flammable		Chem.Waste M. Emelle Facil	ID Number		ALD	
	Waste Number   02 0008   0007	Non-Flammable Waste Red Paint	36560	Chem Waste Mc Emelle Facil ALD Chem Waste Me	ID Number mt ty 000622464		ALD	
	Waste Humber	Non-Flammable		Chem Waste Me Emelle Facil ALD Chem Waste Me Emelle Facil	ID Number imt ty 000622464 imt	Bush-Hog		044075109
	Waste Number   02 0008   0007	Non-Flammable  Waste Red Paint Flammable Solid	36560	Chem Waste Mc Emelle Facil ALD Chem Waste Mc Emelle Facil ALD	1D Number mt ty 000622464 mt ty 000622464			
	02 0008 0007 008	Non-Flammable  Waste Red Paint Flammable Solid  Waste Red Paint	36560 62381	Chem Waste Me Emelle Facil ALD Chem Waste Me Emelle Facil ALD Chem Waste Me	1D Number mt ty 000622464 mt ty 000622464 mt.	Bush-Hog		044075109
	Waste Number   02 0008   0007	Non-Flammable  Waste Red Paint Flammable Solid	36560 62381 11,199	Chem Waste Mc Emelle Facil ALD Chem Waste Mc Emelle Facil ALD	1D Number mt ty 000622464 mt ty 000622464 mt.	Bush-Hog	ALD	044075109

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



#### State of Alabama

## DEPARTMENT OF PUBLIC HEALTH

State Office Building Montgomery, Alabama 36130



IRA L. MYERS, M.D. STATE HEALTH OFFICER

May 5, 1981

MEMORANDUM

TO: Dan E. Cooper, Deputy Director Division of Solid and Hazardous Waste

FROM:

Buddy E. Cox, Jr., Chief, Hazardous & Industrial Waste Section Division of Solid and Hazardous Waste BSC

RE:

Disposal Site, Selma, Off Bell Road

Exemption 6 Personal Privacy

As a result of a call from to Mr. Harold Taylor, the writer investigated a site located off Bell Road. (See Mr. Taylor's memo dated April 17, 1981.) There are approximately 100 drums located at the site, many of which contain dried or semi-dried red paint pigments.

It appears that scrap metal from a lathe is also being disposed of at the site. Further investigation revealed cartons addressed to Bush Hog in Selma. There was evidence that material had been buried at the site with cover material being scraped from the adjoining hillside.

At the time of the inspection, the small pond adjacent to the site contained three drums of waste.

BEC:se

1 / 1 M. 1 1/1/2 " 1.

#### State of Alabama



## DEPARTMENT OF PUBLIC HEALTH



IRA L. MYERS, M.D. STATE HEALTH OFFICER State Office Building Montgomery, Alabama 36130

May 5, 1981

MEMORANDUM

TO: Mr. Dan E. Cooper, Deputy Director
Division of Solid and Hazardous Waste

FROM: Buddy E. Cox, Jr., Chief, Hazardous & Industrial Waste Section

Division of Solid and Hazardous Waste 250

RE: Bush Hog, Selma (Dallas County)

On Friday, May 1, 1981, the writer met with Mr. Russell Buster, Vice-President, Operations, Bush Hog, to discuss the company's hazardous waste activities. Bush Hog notified EPA, under the name of Allied Products-Bush Hog, and received a generator's I.D.

Due to a shake-up in management, Mr. Buster could not find a copy of the company's Part A Application. He stated that the company's waste was now going to the <u>local landfill</u>. He was instructed to have the waste analyzed immediately. The writer supplied him the name of three labs which are capable of running the analyses.

Mr. Buster was also informed of the situation on Bell Road and was told that the material would have to be picked up, analyzed, and handled accordingly.

Mr. Buster, in view of the above, was also informed of the impending "Superfund" activity and its possible impact on Bush Hog.

BEC:se

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Dalles Co.





## DEPARTMENT OF PUBLIC HEALTH

State Office Building Montgomery, Alabama 36130



IRA L. MYERS, M.D. STATE HEALTH OFFICER

May 18, 1981

TO: FILES (Bush-Hog

FROM: Bernard E. Cox, Jr., Chief 11,5

Hazardous Waste Section

Division of Solid & Hazardous Waste

Re: Phone Conversation with John Morgan

On Friday, May 15, 1981, the writer received a phone call from Mr. John Morgan (872-6261, Ext. 222) regarding a visit made by the writer to Bush-Hog on May 1, 1981. The writer discussed the following with Mr. Morgan:

- Superfund notification requirements should be met.
- No additional RCRA forms are necessary since his company is only a generator and not a TSDF.
- All waste streams should be analyzed to insure that they are not hazardous, and
- 4. Material located adjacent to Bell Road should be removed and handled according to its hazardous category.

BEC: bw

*	of Hazardous Waste Site	Side Two	
	.uantity:	Facility Type	Total Facility Waste Amount
	an X in the appropriate boxes to idicate the facility types found at the site. In the "total facility waste amount" space	<ol> <li>□ Piles</li> <li>□ Land Treatment</li> <li>□ Landfill</li> </ol>	gallons Approx. 1500 Gallons
	give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.	4. ☐ Tanks 5. ☐ Impoundment	Total Facility Area
	In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.	6. ☐ Underground Injection 7. ☼ Drums, Above Ground 8. ☐ Drums, Below Ground 9. ☐ Other (Specify)	acres 1/2 Acre IA
G	Known, Suspected or Likely Releases	to the Environment:	
	Place an X in the appropriate boxes to indica or likely releases of wastes to the environment		☐ Known ☐ Suspected ☐ Likely ☐ None
	Note: Items Hand I are optional. Completin hazardous waste sites. Although completing		e and local governments in locating and assessing couraged to do so.
н	Sketch Map of Site Location: (Options Sketch a map showing streets, highways, routes or other prominent landmarks, near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.	Se /nia ,	Al
		Sump sile + Cate  Highland Are, New 80	- HA
ī	Description of Site: (Optional)		
	Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.	Site has some 50 to 70 pa paint sludge.	rtially filled barrells of
		(See Attachm	ment)
J	Signature and Title:  The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional.	Name Mr. Ron Hottes  Street 2501 Griffin Avenue  city Selma, State	☐ Owner, Present ☐ Owner, Past ☐ Transporter ☐ Operator, Present ☐ Operator, Present ☐ Operator, Past
	Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".	Signature of mul u. Hotel	Date 5/25/81 Vice President

## Notification of Hazardous Waste Site

United States **Environmental Protection** Agency Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensive Env sation, and Liability Act of 1980 and must which applies. be mailed by June 9, 1981.

Please type or print in ink. If you need

ALS 000001047

_					•	. *		-	-		1091
1	Person Required to Notify:			100	-						
	Enter the name and address of to or organization required to notify	he person	Name			vision of A	Allied	Product	s		
			Street	2501 Gri	ffi	1 Avenue					
_			City	Selma,				State Ala	bama z	Pip Code 3	6701
3	Site Location:			Λ.	1			2 1 1	ī		
	Enter the common name (if know actual location of the site.	vn) and	Name of			d frodu	ets/	bush b	tog [	Dur.	
			Street	Bell	Roa	ıd				445	
_	ALP980559	199	City	Selm	a,	county Dal	las	State A7	a z	ip Code 3	36701
;	Person to Contact:						JOH	~			
	Enter the name, title (if applicable business telephone number of the to contact regarding information submitted on this form.	e), and e person	Name (L	ast, First and Tit	tle)	<del>John M</del> orga (205) 872-	n - As	sistant Ext. 2		hasing	Manager
)	Dates of Waste Handling:										
•x	Enter the years that you estimate treatment, storage, or disposal be ended at the site.	waste gan and	From (Ye	ar) Unknow	n .	To (Year) 1	981		-		
	Waste Type: Choose the optio	n you pre	efer to d	complete							
	Option I: Select general waste typyou do not know the general waste encouraged to describe the site in General Type of Waste: Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.	te types or item I—D Source o	sources escription f Waster	, you are in of Site.		Option 2: This Resource Consider Specific Type (EPA has assignisted in the reperture of the list of hazal contacting the list of the secondary of the list of the secondary of the list of	ervation CFR Par of Waste ned a fou gulations ir-digit nu rdous wa	and Recov t 261). : r-digit nun under Sec umber in the stes and c	nber to e ction 300 he boxes codes car	ach hazar of RCR provided.	rdous waste A. Enter the A copy of ned by
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	2. Inorganics	2.   Cor		n	1		1 [				
	3. Solvents	3. ☐ Tex			1 1		1				
	4. ☐ Pesticides 5. ☐ Heavy metals	4. D Fer	153.555	*****	[		1 [				
	6. Acids	5. Pap		•							
	7. D Bases	6. ☐ Lea 7. ☐ Iron		77.0			1 L				
	8. □ PCBs	8. 🗆 Che			1 +		4 1				
	9.   Mixed Municipal Waste	9. D Plat			1 }		- 5	=	141		<b>)</b>
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		13. 🗆 Util			_	11010	<del>-</del> ت	5	25	0	
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		0pera	tion	15	-0//	Wester.	(A)				
	Form Approved OMB No. 2000-0138	Maria Novo Principalista			رد	all	7				
	EPA Form 8900-1				M	E08 65 85 1532					



P.O. Box 1039 · Selma, Alabama 36701
Telephone (205) 872-6261
ALLIED PRODUCTS CORPORATION

Bush Hog has contacted Mr. Barry Robinson of Guardian Systems, Birmingham, Alabama. We are supplying Guardian Systems with a sample of the sludge for evaluation of toxic content. We understand if the material is toxic, it must be disposed of at a authorized disposal facility. We are also working with Mr. Buddy Cox of The Alabama Division of Solid and Hazardous Waste for advise on this matter.

Dallas ai.

December 9, 1981

REDACTED

Exemption 6 Personal Privacy

Dear

Mr. Een Woods of EPA's Montgomery Sub-Region Office has forwarded your complaint to this office. From the maps provided, it appears that the site in question has been previously investigated by this office.

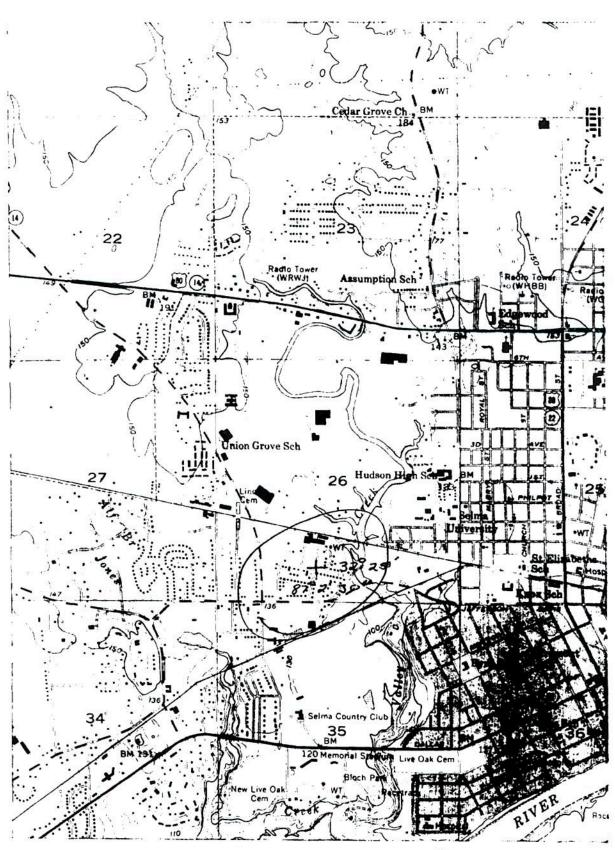
Our investigation revealed that the material was placed on the site by Bush Hog, Incorporated. Analytical testing showed the material to be non-hazardous. The drums should have been picked up and disposed of at an approved site. I will have an investigater from our office conduct a follow-up inspection to insure that the site has been cleaned up.

Should you have questions, please feel free to contact this office.

Sincerely,

Bernard E. Cox, Jr., Chief Industrial and Hazardous Waste Section Division of Solid and Hazardous Waste Environmental Health Administration

BECITC



U.S.G.S. 7½ MIN. SERIES

<u>SELMA</u>, ALABAMA



REGION: 04

#### U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L A

PAGE: 81 RUN DATE: 85/06/03 RUN TIME: 19:06:17

## M.2 - SITE MAINTENANCE FORM

					* ACTION: _	
	EPA ID:	ALD980559199				
	SITE NAME:	ALLIED FRODUCTS CORP BUSH HOG DI	.v s	OURCE: N	*	
	STREET:	BELL RD	CONG DIST:	07	*	
	CITY:	SELMA	ZIP:	36701	*	100
)	CNTY NAME:	DALLAS	CNTY CODE:	047	*	3
)	LATITUDE:	32/25/00.0 LONGITUDE: 087/01/	24.0		*_/_/	•
)	SMSA:	HYDRO UNIT: 0315020	1		*	,
	INVENTORY I	IND: Y REMEDIAL IND: Y REMOVAL	IND: N FED	FAC IND: N	*_	•
	NPL IND: N	NPL LISTING DATE: NPL DE	LISTING DAT	E:	*/-	*
	APPROACH:	SITE CLASS:			*	*
V.	SITE/SPILL	IDS:			*	*
	RPM NAME:	RPM PHONE:			*	*
	DIOXIN TIER	REG FLD1: REG FL	02:		*	
	RESP TERM:	PENDING ( ) NO FURTHER ACTION	(X)		* PENDING (_) NO FURTHER ACTION (_)	
	ENF DISP: N	NO VIABLE RESP PARTY ( ) VOLUNTA	RY RESPONSE	( )	*	×
	E	ENFORCED RESPONSE ( ) COST RE	COVERY	( )	*	_
1	SITE DESCRI	PTION:				•
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REGION: 04 STATE: AL

# U.S. ENVIRONMENTAL PROTECTION ACENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L A

PAGE: 82 RUN DATE: 85/06/03 RUN TIME: 19:06:17

M.2 - PROGRAM MAINTENANCE FORM

		* ACTION: _	*
ĺ	SITE: ALLIED PRODUCTS CORP BUSH HOG DIV		
	EPA ID: ALD980559199 PROGRAM CODE: HO1 PROGRAM TYPE:	*	- *
	PROGRAM QUALIFIER: ALIAS LINK :	*	*
	PROGRAM NAME: SITE EVALUATION	*	*
)	DESCRIPTION:		
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		*	*
í		*	*

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REGION: 04 STATE : AL

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#### U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L A

PAGE: 83 RUN DATE: 85/06/03 RUN TIME: 19:06:17

## M.2 - EVENT MAINTENANCE FORM

			* ACTION: _		
SITE: ALLIED PROGRAM: SITE E	PRODUCTS CORP BUSH HOG EVALUATION	DIV			
EPA ID: ALD980	559199 PROGRAM CODE: HO	1 EVENT TYPE: DS1			
FMS CODE:	EVENT QUALIFIER:	EVENT LEAD: E	* _		0.220
EVENT NAME: DI	SCOVERY	STATUS:	*	NO. 2005	
DESCRIPTION:					= '
			*		
			*		
			*		
ORIGINAL	CURRENT	ACTUAL			
START:	START:	START:	* _/_/_	_/_/_	_/_/_ *
COMP :	COMP :	COMP : 81/06/01	* _/_/_	_/_/_	_/_/_ *
HQ COMMENT:					
			*		
RG COMMENT:					
			*		*
COOP AGR #	AMENDMENT # STATUS	STATE %			
	204-000-00-000-000-000-00-00-00-00-00-00-		*		
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REGION: 04 STATE : AL

## U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L A

PAGE: 84 RUN DATE: 85/06/03 RUN TIME: 19:06:17

## M.2 - EVENT MAINTENANCE FORM

			* ACTION: _		,
SITE: ALLIED PROGRAM: SITE E	PRODUCTS CORP BUSH HOG DI	v			
EPA ID: ALD980	559199 PROGRAM CODE: HO1	EVENT TYPE: PA1			
FMS CODE:	EVENT QUALIFIER:	EVENT LEAD: S	* _		_ •
EVENT NAME: PR	RELIMINARY ASSESSMENT	STATUS:	*		_ ,
DESCRIPTION:					
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ORIGINAL	CURRENT	ACTUAL			
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HQ COMMENT:					
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COOP AGR #	AMENDMENT # STATUS	STATE %			
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REGION: 04 STATE : AL

#### U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L A

PAGE: 85 RUN DATE: 85/06/03 RUN TIME: 19:06:17

## M.2 - COMMENT MAINTENANCE FORM

COM	
NO COMMENT	ACTION
001 ALS000001047 -SITE HAS SOME 50 TO 7	*
O PARTIALLY FILLED BARRELS OF	*
002 PAINT SLUDGE. ACCOMPANYING LETTER-B	* _
USH HOG HAS CONTACTED MR. BARRY	*
003 ROBINSON OF GUARDIAN SYSTEMS, BIRMI	*
NGHAM, ALABAMA AND IS SUPPLYING	*
004 GUARDIAN SYSTEMS WITH A SAMPLE OF T	*
HE SLUDGE FOR EVALUATION OF TOXIC	*
005 CONTENT. IF MATERIAL IS TOXIC, IT I	* _
S TO BE DISPOSED OF AT AN	*
006 AUTHORIZED DISPOSAL FACILITY. ALSO	*
WORKING WITH MR. BUDDY COX OF	*
007 ALABAMA DIV. OF SOLID AND HAZARDOUS	*
WASTE FOR ADVICE ON THE MATTER.	*
DOS CONTACT: JOHN MORGANASSIST. PURCH	* _
ASING MGR. (205) 872-6261	*
009 EXT. 222	*

^	_		
-	_	IJL	1
			٦

## POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION SITE NUMBER (to be as-

TO THE TOTAL TOTAL AND TREE IMINARY	AJJEJJMENI		
NOTE: This form is completed for each potential hazardous waste sitt submitted on this form is based on available records and may be update and on-site inspections.			
GENERAL INSTRUCTIONS: Complete Sections 1 and III through X as Accessment). File this form in the Regional Hazardous Waste Log File	e completely as pose and submit a copy to (EN-335); 401	to U.S. Enviro	nmental Protection
ALD980559199 DALLAS /047			
ALLIEU PRODUCTS/BUSH HUG DIV	ATION		
BELL RD	EET for other Identi	fier,	
SELMA AL 36701	distance with a strength of a section with a section	CONTRACTOR CONTRACTOR	
MORGAN, JUHN, ASST PURCH* 2058726261	TE E. ZIP CO	DE F. COUN	TY NAME
	70.000	2. TELE	PHONE NUMBER
H. TYPE OF OWNERSHIP  1. FEDERAL. 2. STATE 3. COUNTY 4 MUNICIPAL	\_/		
103-C WUTTFICATION" DATE: 810609 AN COUPER UR BUDDY COX HUNE: 205-832-6728	Site	Clear	K. DATE IDENTIFIED
TONE: 205-832-6726		15. If LE	(Mo., day, & vr.)
IL PRELIMINARY ASSESSMENT (C	omplete this section		
A. APPARENT SERIOUSNESS OF PROBLEM  1. HIGH 2. MEDIUM 3 LOW 4 NONE  2. RECOMMENDATION	5 UNKNOWN		
1. NO ACTION NEEDED (no hazard)	2. IMMEDIATE SITE	INSPECTION NEEDS OF	EOED :
B. WILL AE PENFONNED BY	A. SITE INSPECTIO		iority)
- Company of			
C. PREPARER INFORMATION  1. NAME  UDITUINI	2. TELEPHONE NU	UMHER	3. DATE (Mos., day, & yr.) 82/05/15
III. SITE INFOR	MATION		
municipal sites which are being used   office which no longer receive (The		sir a sticidents like	e "midnight dumping" where aate disposal has occurred.)
B. IS GENERATOR ON SITE?			
1. NO 2. YES (epecify generator)	a four-digit \$10. Code		
C. AREA OF SITE (In acres)  D. IF APPARENT SERIOUSNESS Of L. LATITUDE (deg.~mili.~ acc.)		CIEV COORDINAT	
E. ARE THERE BUILDINGS ON THE SITE?  1. NO 2. YES (epecity):			

22000	Section Committee			- :	CHARACTER	_		-				
Indicate the major	site activity	(ies	s) and d	leta	. CHARACTERIZA	TIO	N OF SITE ACTIV	11				
A. TRANSP	00700	×	1		its telating to each	BCI	Ivity by marking 'X	(' in	the approp	riate bo	es	
1. RAIL		F	1 PIL		S. STORER	Ê	C. TREAT	TER	. x		D	DISPOSER
2. \$нір		†-	t		CE IMPOUNDMENT	╀	I. FILTRATION		68 (887)	I. LAND	FIL	L
3. BARGE			3. DRL		CE IMPOUNDMENT	╀	3. VOLUME REDUC			2. LAND	-	
4. TRUCK		Г	4. TAN	ıĸ.	A BOVE GROUND	┢				. OPEN	DU	MP
5. PIPELINE		T			ELOW GROUND	╁	4 RECYCLING/RE 8. CHEM./PHYS. TI					MPOUNDMENT
6. OTHER (specif	r):				(specify):	+	6. BIOLOGICAL TR	_				DUMPING
							7. WASTE OIL REP			6. INCINI	_	
		l					B. SOLVENT RECO			. OTHER		NOITSELNI GNUOS
		l					9. OTHER (specify):		$\neg +$	a. OTHER		pectry):
		l										
E. SPECIFY DETAIL	S OF SITE AC		/ITIES			L						
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			_		V WASTE DEL LE						_	
A. WASTE TYPE		_		-	V. WASTE RELAT	ED	INFORMATION					
[ ] I UNKNOWN [	2 LIQUID		<u></u>									
B. WASTE CHARACTE			ا ــا	J. 5	OLID []4 5	LU	DGE [_]5.	GAS				
1 UNKNOWN	RISTICS		F									
1 UNKNOWN	JZ CORROS	IVE	[_]	3. 1	GNITABLE [ ]4 F	AD	OACTIVE []5	HIGH	LY VOLAT	ILE		
6 TOXIC	-I' KENCII	VE	LJ	8 1	NERT [ ]9 F	LA	MMABLE					
[] 10. OTHER (speci	(v)											
C. WASTE CATEGORI	re				CONTROL SAN FOR ST. SPANS	n==		TV MIN	te sues succes			
1. Are records of was	tes available?	S	pecify it	rms	such as manifests, in	ven	tories, etc. below.					
2. Estimate the amo	ount (specify	uni	t of me	ası	re)of waste by cate	JOT	v: mark 'Y' to indi	cate	which was			
4. JEODGE	ь. о	IL		Г	c. SOLVENTS	r	d. CHEMICALS	T	e. SOLI		T	
AMOUNT	AMOUNT			A	MOUNT	AM	OUNT	AM	OUNT	-	A	I. OTHER
UNIT OF MEASURE				L			11000					
OIT OF MEASURE	UNIT OF ME	ASI	URE	U	IT OF MEASURE	UN	IT OF MEASURE	UN	IT OF MEA	SURE	U	TOF MEASURE
				L		L		1				
PIGMENTS	X' (1) OIL Y	ES		. x.	HALOGENATED SOLVENTS	. x.	III A CIDS	×	IJFLYASH		· ×	LABORATORY
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	1			-		_	2.00043	+			ļ.	
13) POTW	1			-	(3) OTHER (specify)	1 9	3 CAUSTICS	1	MINE 14	s/		131 PADIOACTIVE
(4) ALUMINUM	1							+			-	
SLUDGE						ii	(4) PESTICIDES	1	4) FEHROL	S		(4) MUNICIPAL
15) OTHER (specify):						-		+			-	
o inen( "peciny).							15 DYES/INKS	11	SI NON-FE SMLTG.	RHOUS	-	(6) OTHER (specify):
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Continued From Front

Continued From Front										
			II. PERMIT INFO	RMATION						
A. INDICATE ALL APPLIC	INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.									
1 NPDES PERMIT 2 SPCC PLAN 3. STATE PERMIT (specify):										
4. AIR PERMITS 5. LOCAL PERMIT 5. RCRA TRANSPORTER										
7 RCRA STORER	B. RCR	A TREATER	RCRA DISPOSER							
10. OTHER (specify):										
B. IN COMPLIANCE?										
1. YES	2. NO		3 UNKNOWN							
4. WITH RESPECT T	O (list regula	illon name & number	Ji							
		VIII, P	AST REGULATOR	RY ACTIONS						
A. NONE	■ B. YE	S (summerize below)								
		IX. INSPEC	TION ACTIVITY	(past or on-going)						
A NONE	8. YES	(complete itema 1,2	.3, & 4 below)							
1. TYPE OF ACTIV	/ITY	2 DATE OF PAST ACTION (mo., day, & yr.)	3 PERFORMED BY: (EPA/State)	4. DESCRIPTION						
				S. C.						
		X. REM	EDIAL ACTIVITY	(past or on-going)						
A. NONE	☐ 8. YES	S (complete itema 1,	2, 3, & 4 below)							
1. TYPE OF ACTIV	VITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION						
	~									
		V. 1900	**************************************							
			THE MISSESSMENT IN STRUCTURE	out the Preliminary Assessment (Section II)						
information of	on the first	page of this for	m.							

	V. WASTE RELATED INFORMATION (continued)
LIST SUBSTANCES OF GREATEST	CONCERN WHICH MAY BE ON THE SITE (place in descending order of both

Paint Sleelye

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

VI. HAZARD DESCRIPTION									
A. TYPE OF HAZARD	POTEN- TIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (merk 'X')	D. DATE OF INCIDENT (mo.,day,yr.)	E. REMARKS					
1. NO HAZARD									
2. HUMAN HEALTH									
S. NON-WORKER									
4. WORKER INJURY									
5. CONTAMINATION OF WATER SUPPLY									
6. CONTAMINATION OF FOOD CHAIN									
7. CONTAMINATION OF GROUND WATER									
S. CONTAMINATION OF SURFACE WATER			<del></del>						
9. DAMAGE TO FLORA/FAUNA									
10. FISH KILL									
11. CONTAMINATION									
12. NOTICEABLE ODORS									
13. CONTAMINATION OF SOIL									
14. PROPERTY DAMAGE									
IS. FIRE OR EXPLOSION									
6. SPILLS/LEAKING CONTAINERS/									
7. SEWER, STORM DRAIN PROBLEMS									
S. EROSION PROBLEMS									
9. INADEQUATE SECURITY									
O. INCOMPATIBLE WASTES									
1. MIDNIGHT DUMPING									
2. OTHER (specify):									

# SEPA Notification C Hazardous Waste Sit

United States Environmental Protection Agency Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

EPA Form 8900-1

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810609 ALS 000001047

_	Person Required to Notify:										
•	Enter the name and address of the person or organization required to notify.			Name Bush Hog Division of Allied Products Street 2501 Griffin Avenue							
			City	Selma,			State Alab	ama zip c	ode 367	01	
В	Site Location:			AIL	010-11	r. 18	nesh H	ar D	~		
	Enter the common name (if known) and actual location of the site.  A L D 980 559199			Name of Site Allied Products / Bush Hay Dur.							
				Street Bell Road							
				Selma	County Dall		State Ala	Zip C	ode 36	5701	
c	Person to Contact:		2677		John Mougan	JOH	~	Duncho	sing 1	122222	
	Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.			(Last, First and Title)	<del>John M</del> orgar (205) 872-6	,	Ext. 22		sing i	lanager	
D	Dates of Waste Handling:										
	Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.		From (Y	rear) Unknown	To (Year) 1	981		1 20			
E	Waste Type: Choose the option	on you pr	refer to	complete							
	Option I: Select general waste types and source you do not know the general waste types or sour encouraged to describe the site in Item I—Descri			es, you are	Option 2: This Resource Cons regulations (40	ervation	and Recove				
	General Type of Waste: Source of			AND THE PROPERTY AND TH			e: r-digit num under Sec umber in the estes and c	ction 3001 ne boxes p codes can	of RCR provided. be obtain	A. Enter the A copy of ned by	
	1.  Organics	1. 🗆 M	lining		located.						
	2. Inorganics		onstruc	tion		] [					
	3. Solvents	3. 🗆 Te				] [					
	4. Pesticides	4. 🗆 Fe	ertilizer aper/Pr			J					
	<ol> <li>5. ☐ Heavy metals</li> <li>6. ☐ Acids</li> </ol>		eather 1		<u> </u>	- I					
	7. Bases			el Foundry	l ———	-   -					
	8. D PCBs			I, General		-l -					
	9. Mixed Municipal Waste			Polishing	<u> </u>		7 5	<u>Lai</u>	c	<b>5</b> —	
	10. Unknown			Ammunition	<b>—</b>	E	<del>-</del>	<del>-    </del>			
	11. ★□ Other (Specify)		200 mm	I Conductors	<del> </del>		2	₹E		,	
	Paint Waste	12. 🗆 T	ransfor	mers	L	7 7	=	<u>6</u>	_		
		13. 🗆 U	Itility Co	ompanies		<del></del>	5	_		, ,	
		14. 🗆 S	anitary.	/Refuse	(	≕ :,	, <b>3</b>	SED		,	
		15. 🗆 P				24	. 그		C		
		16. 🗆 L		3.7	İ	_	1 5	٧I		)	
		17. 🗆 U						100000			
			Other (S W Coa ratio	t Paint						27	
	Form Approved OMB No. 2000-0138										

	Notification of Hazardous Waste Site	Side Two							
F	Waste Quantity:	Facility Type	Total Engility Ma						
	Place an X in the appropriate boxes to indicate the facility types found at the site.	1. □ Piles	Cubic feet						
	In the "total facility waste amount" space	2.   Land Treatment							
	give the estimated combined quantity	3. 🗆 Landfill	gallons Approx	. 1500 Gallons					
	(volume) of hazardous wastes at the site using cubic feet or gallons.	<ol> <li>4. □ Tanks</li> <li>5. □ Impoundment</li> </ol>	Total Facility Area	9					
	In the "total facility area" space, give the	6. Underground Injection	square feet						
	estimated area size which the facilities occupy using square feet or acres.	7. D Drums, Above Ground	acres 1/2 Ac	re IA					
	soup) coming square reet of acres.	8. Drums, Below Ground							
G	V S	9. Other (Specify)							
G	Known, Suspected or Likely Releases to the Environment:  Place an X in the appropriate boxes to indicate any known, suspected.    Known   Suspected   X Likely   None   None   Suspected   X Likely   None   None								
	or likely releases of wastes to the environm		ted CX Likely □ None						
	Note: Items Hand I are optional. Completing hazardous waste sites. Although completing	ng these items will assist EPA and State a ng the items is not required, you are enco	and local governments in ouraged to do so.	n locating and assessing					
Н	Sketch Map of Site Location: (Option	nal)							
	Sketch a map showing streets, highways, routes or other prominent landmarks near								
	the site. Place an X on the map to indicate								
	the site location. Draw an arrow showing the direction north. You may substitute a	Selma, H	1/						
	publishing map showing the site location.	Oz							
		.6.							
		<b>E</b>							
		2							
		Damp 2							
		Sile + Care Holiday In							
		+ Holiday In	n						
		Highland Are							
		,							
	Description of Site: (Optional)								
	Describe the history and present								
	conditions of the site. Give directions to the site and describe any nearby wells,								
	springs, lakes, or housing. Include such information as how waste was disposed	Site has some 50 to 70 partially filled barrells of							
	and where the waste came from. Provide	paint sludge.	16113 01						
	any other information or comments which may help describe the site conditions.								
		×							
		(See Attachmen	ıt)						
	Signature and Tide.								
	Signature and Title: The person or authorized representative	Name Mr. Ron Hottes							
	(such as plant managers, superintendents,	Name Mr. Ron Hottes		Owner, Present					
	trustees or attorneys) of persons required to notify must sign the form and provide a	Street 2501 Griffin Avenue	☐ Owner, Past ☐ Transporter						
	mailing address (if different than address in item A). For other persons providing		Operator, Present						
	notification, the signature is optional. Check the boxes which best describe the	City Selma, State A	L zip Code 36701	☐ Operator, Past					
	relationship to the site of the person	Signature 7 - 10 . 1+	Date 5/25/81	Vice President					
	required to notify. If you are not required to notify check "Other".	Signature ( and u. Holls	Date 3/23/01	Vice President					



P.O. Box 1039 · Selma, Alabama 36701
Telephone (205) 872-6261
ALLIED PRODUCTS CORPORATION

Bush Hog has contacted Mr. Barry Robinson of Guardian Systems, Birmingham, Alabama. We are supplying Guardian Systems with a sample of the sludge for evaluation of toxic content. We understand if the material is toxic, it must be disposed of at a authorized disposal facility. We are also working with Mr. Buddy Cox of The Alabama Division of Solid and Hazardous Waste for advise on this matter.

# OVERSIZED DOCUMENT

Man DRAWing



US EPA Region 4 Sites Notification Atlanta, GA 30308